2009
Building Chemicals
Product Brochure
ECZACIBAŞI-KORAMIC
Building Chemicals Manufacturing

ECZACIBAŞI - KORAMIC Building Chemicals Manufacturing was established in 1998 as a joint venture between Eczacibaşi Group and Koramic Building Products Groups NV, a prominent Belgian producer of building chemicals.

Among objectives of the company are to act as a pioneering entity for development and production of new building chemicals for the construction sector in Turkey, make contributions to the sustained quality of products, and provide systematical solutions for appropriate use of these products.

At its factories equipped with the most advanced technologies of Turkey and Europe with an annual production capacity of 160,000 tons of two factories located in Bilecik - Bozüyük and Mersin - Tarsus, Eczacibaşi - Koramic Building Chemicals Manufacturing produces under the brand Vitra Fix adhesives, grouting materials, water proofing materials, self leveling compounds, primers and additives, post-application cleaning and maintenance products, repair mortars and restoration plasters, silicones and mastics, tile application tools, polyurethane and epoxy based water proofing, flooring and traffic coating systems and Vitra Therm branded external thermal insulation composite system.

At its factories, commissioned with the most advanced technologies, entire of the production process from acceptance of raw materials to the shipment stage is carried out through computer-controlled full automatic machines.

All the products are manufactured in accordance with the norms of TSE and EN. Having adopted the approach of rendering quality products and services as its major principle, Vitra Fix continues to play its pioneering role at the sector by reinforcing the said approach with ISO 9001 Quality Certificate.

Offering quality, innovative, different and superior products as per demands of the construction sector, Vitra Fix receives technical assistance from its partner, Koramic Group, Belgium. The company offers to the market and sector such innovative and technical products required by the domestic construction sector as a result of R&D activities conducted at Bozüyük, Bilecik factory. Raw material and product control activities are performed with the highest fastidiousness and sensitiveness at its laboratory which is equipped with the most advanced technologies.

Vitra Fix brand products offer solutions for problems and requirements of the construction sector throughout the country with the experience of Eczacibaşi Group in the domestic construction sector, and experience and comprehensive distribution network of interna which is the domestic sales and distribution company.

Also attaching great importance to export sales, Vitra Fix makes considerable contributions to the country economy via its export activities to over 44 countries in four continents, Middle East, North Africa, Northern Cyprus and UK being the strategic markets. Being one of the pioneering companies of its sector, Vitra Fix acts in the international markets with strong support of Eczacibaşi and Koramic Groups as well as Vitra brand name.

Offering systematical solutions for the purpose of solving problems of the construction sector, and ensuring that products are used in an appropriate manner, Vitra Fix provides correct and clear solutions to the professionals by means of its expert staff.
FIXER

Tile adhesive
Cement based adhesive for fixing tile or similar small medium sized finishes. For interior floors and walls in private or similar dwellings, it has good workability. The high thixotropy enables to lay wall tiles downwards on the conventional cement substrates without slippage.

\[ \text{Technical Characteristics} \]
- **Application**: 6-8 mm notched trowel
- **Display**: 25 kg Kraft sacks, 1200 kg on palette
- **Consumption**: 3-4 kg/m²
- **Color**: Grey, White
- **Mixing ratio**: 6:4.5 lit water for 25 kg sacks
- **Resistance to temperature**: -15 °C to +70 °C
- **Tensile strength**: >0.5 N/mm²
- **Opening foot traffic**: 24-48 hours
- **Bed thickness**: 2-3 mm
- **Storage**: 12 months in dry rooms in unopened packaging

COTTO

Special thick bed tile adhesive
Cements based tile adhesive for fixing large sized finishes for interior and exterior floors. Facility of fixing the layer from 3 up to 20 mm thickness depending on the state of the base. It allows to fix ceramic tiles, glass mosaic, terracotta, brick slips (porcelain tiles for interior floors), stone, marble. Applications can be made on all cement-based floors. It is resistant to outside weather conditions and freezing.

\[ \text{Technical Characteristics} \]
- **Application**: 8-10 mm notched trowel
- **Display**: 25 kg Kraft sacks, 1200 kg on palette
- **Consumption**: 4-5 kg/m²
- **Color**: Grey, White
- **Mixing ratio**: 6:4.5 lit water for 25 kg sacks
- **Resistance to temperature**: -30 °C to +70 °C
- **Tensile strength**: >1 N/mm²
- **Opening foot traffic**: 24-48 hours
- **Bed thickness**: 3-20 mm
- **Storage**: 12 months in dry rooms in unopened packaging

FLEX PORSELEN

High performance flexible tile adhesive for porcelain tiles
High performance, cement based flexible tile adhesive, containing mixed binding agents and fibers for tiling in many types of new or renovation work. Vitra Fix FLEX PORSELEN is a powerful adhesive, offering high resistance to heat, moisture and frost. It can be used on heated floors, exterior insulation materials on walls. Especially it is recommended in heavy traffic areas for usage. It is suitable for fixing porcelain tiles, bricks, terracotta, natural stone, marble, granite, glass mosaic and all kind of ceramic tiles on pre-cast concrete, cement mortar, cement-lime mortar renderings, tiles (with Vitra Fix FILM PLUS primer), plaster board panels.

\[ \text{Technical Characteristics} \]
- **Application**: 6-8-10 mm notched trowel
- **Display**: 25 kg Kraft sacks, 1200 kg on palette
- **Consumption**: 3-4 kg/m²
- **Color**: Grey, White
- **Mixing ratio**: 6:5-7.5 lit water for 25 kg sacks
- **Resistance to temperature**: -30 °C to +70 °C
- **Tensile strength**: >1 N/mm²
- **Opening foot traffic**: 24-48 hours
- **Bed thickness**: 2-10 mm
- **Flexibility**: Excellent
- **Storage**: 12 months in dry rooms in unopened packaging

POOL

High performance flexible tile adhesive for pools and wet areas
High performance, cement based flexible tile adhesive, containing mixed binding agents and fiber for tiling in many types of new or renovation work. Vitra Fix POOL is a powerful adhesive, offering high resistance to heat, moisture and frost. It can be used on heated floors, especially it is recommended to use in private swimming pools, wet areas like bathroom, kitchen it is suitable to fix all kinds of pool tiles, porcelain tiles, bricks, terracotta, natural stone, marble, granite, glass mosaic on pre-cast concrete, cement mortar, cement-lime mortar renderings, plaster board panels.

\[ \text{Technical Characteristics} \]
- **Application**: 6-8-10 mm, notched trowel
- **Display**: 25 kg Kraft sacks, 1200 kg on palette
- **Consumption**: 3-4 kg/m²
- **Color**: Grey, White
- **Mixing ratio**: 6:5-7.5 lit water for 25 kg sacks
- **Resistance to temperature**: -30 °C to +70 °C
- **Tensile strength**: >1 N/mm²
- **Opening foot traffic**: 24-48 hours
- **Bed thickness**: 2-10 mm
- **Flexibility**: Excellent
- **Resistance to water**: Excellent
- **Storage**: 12 months in dry rooms in unopened packaging
**FLEX RAPID**

High performance flexible and quick setting tile adhesive

High performance, quick setting, flexible cement based tile adhesive, incorporating mixed binders, for fixing ceramic tile finishes that are new or being renovated. High water and frost resistance after hardening. Due to its rapid bonding, busy premises are put out of action at less time. It allows grouting 3-5 hours after fixing. It is suitable to fix porcelain tiles, terracotta, natural stone, marble, granite, glass mosaic and all kinds of ceramic tiles on pre-cast concrete, cement mortar, cement-lime mortar renderings, plaster board panels.

- **TECHNICAL CHARACTERISTICS**
  - Application: 6-8-10 mm notched trowel
  - Display: 20 kg kraft sacks, 1200 kg on palette
  - Consumption: 3-5 kg/m²
  - Color: Grey, White
  - Mixing ratio: 1-3.5 l water for 20 kg sacks
  - Resistance to temperature: -30 °C to +70 °C
  - Tensile strength: >0.5 N/mm²
  - Working time: 45 minutes
  - Opening foot traffic: 24-48 hours after grouting
  - Bed thickness: 2-10 mm
  - Flexibility: Excellent
  - Resistance to water: Excellent
  - Grouting time: 3-6 hours
  - Storage: 12 months in dry rooms in unopened packaging

**RAPID SET**

Quick-setting ceramic tile adhesive

Quick-setting, water resistant, adhesive for fixing ceramic finishes to the bases that are new or being renovated. It is suitable to internal, external floors and internal floors, cement based screeds/render coat; concrete screeds or self levelling finishes. Before the application of high porous surfaces, apply VitraFix FILM as a primer. Grouting should be done at least 3-5 hours after fixing.

- **TECHNICAL CHARACTERISTICS**
  - Application: 6-8 mm notched trowel
  - Display: 20 kg kraft sacks, 1200 kg on palette
  - Consumption: 3-4 kg/m²
  - Color: Grey
  - Mixing ratio: 5-5.4 l water for 20 kg sacks
  - Resistance to temperature: -15 °C to +70 °C
  - Tensile strength: >0.5 N/mm²
  - Working time: 45 minutes
  - Opening foot traffic: 24-48 hours after grouting
  - Bed thickness: 2-10 mm
  - Grouting time: 3-6 hours
  - Storage: 12 months in dry rooms in unopened packaging

**FLOOR PLUS**

High performance flexible and quick setting pourable tile adhesive

High performance flexible and quick setting, pourable cement based tile adhesive, incorporating mixed binders, for fixing any type of ceramic tile finishes that are new or being renovated. High water and frost resistance after hardening. Due to its rapid bonding, busy premises are put out of action at less time. It allows grouting 3-5 hrs. after application. It is suitable to fix porcelain tiles, terracotta, natural stone, marble, granite, glass mosaic and all kind of ceramic tiles on interior or exterior floors. It also allows to make application on tile on tile with the help of VitraFix FILM PLUS primer.

- **TECHNICAL CHARACTERISTICS**
  - Application: U8-U/0-E10 notched trowel
  - Display: 20 kg kraft sacks, 1200 kg on palette
  - Consumption: Change acc. to tile dimension (4-7 kg/m²)
  - Color: Grey, White
  - Mixing ratio: 1-1.6 l water for 20 kg sacks
  - Resistance to temperature: -30 °C to +70 °C (after final strength)
  - Tensile strength: >1.0 N/mm²
  - Opening foot traffic: 24-48 hours after grouting
  - Bed thickness: 3-20 mm
  - Flexibility: High
  - Grouting time: 6-12 hours
  - Storage: 12 months in dry rooms in unopened packaging

**ULTRA SYSTEM**

High performance two components tile adhesive

Cement based, high performance two component, super flexible, high adhesion tile adhesive for big size tiles and slabs especially for exterior walls. It has high water and frost resistance. Suitable surfaces: concrete, cement based finishing coats existing floors, heated floors and floors with heavy traffic. VitraFix ULTRA SYSTEM is ideally suited for fixing tiles on Olympic swimming pools, water tanks, industrial application where high mechanical strength and resistance required.

- **TECHNICAL CHARACTERISTICS**
  - Application: 6-8-10 mm notched trowel
  - Display: 20 kg kraft sacks + 5.4 lt. plastic cans
  - Consumption: Change acc. to tile dimension (4-7 kg/m²)
  - Color: Grey, White
  - Mixing ratio: 20 kg powder mixed with 5.4 lt. liquid comp.
  - Resistance to temperature: -30 °C to +70 °C (after final strength)
  - Tensile strength: >1.0 N/mm²
  - Opening foot traffic: 24-48 hours
  - Bed thickness: 2-10 mm
  - Flexibility: Perfect
  - Storage: 12 months in dry rooms in unopened packaging
**TIMBER FLEX**

Flexible ceramic tile adhesive for wooden floors

High performance, flexible, quick-setting ceramic tile adhesive formulated to give greater flexibility and adhesion when fixing low porosity and fully vitrified porcelain and floor tiles without the need to incorporate an admixture in the adhesive on wooden and timber floors. It allows grouting 3-5 hours after fixing.

**TECHNICAL CHARACTERISTICS**

- Application: VS-V6 notched trowel
- Display: 20 kg Kraft sacks, 1200 kg on pallets
- Consumption: 3-5 kg/m²
- Color: White
- Mixing ratio: Ready mixed
- Working temperature: +8 °C to +35 °C
- Resistance to temperature: -30 °C to +70 °C
- Tensile strength: >1.0 N/mm²
- Opening foot traffic: 24-48 hours
- Bed thickness: 2-6 mm
- Storage: 12 months in dry rooms in unopened packaging

**MARBLE & STONE**

Fast setting, cementitious adhesive for marbles and natural stones

Cement-based and rapid setting tile adhesive to fix all kinds of marbles and natural stones to floors and walls. Applied on cement screeds, cement-based renders, cured concrete and porous surfaces, it allows grouting 5 hours after fixing. Vitra Fix LATEX have to be used for fixing porcelain and mosaic tiles. It is not suitable to fix green marble or green granite. The weight of marble should be considered on the vertical applications.

**TECHNICAL CHARACTERISTICS**

- Application: VS-V6 notched trowel
- Display: 20 kg Kraft sacks, 1200 kg on pallets
- Consumption: Change acc. to tile dimension (4-5 kg/m²)
- Color: White
- Mixing ratio: Ready mixed
- Working temperature: +8 °C to +35 °C
- Resistance to temperature: -30 °C to +70 °C
- Tensile strength: >1.0 N/mm²
- Opening foot traffic: 24-48 hours
- Bed thickness: 2-6 mm
- Storage: 12 months in dry rooms in unopened packaging

**MARBLE & STONE SELECT**

High performance, cementitious adhesive for marbles and natural stones.

Cement-based and rapid setting tile adhesive with high tensile strength and flexibility which is used to fix marble and stone. Applied on cement screeds, cement-based renders, cured concrete and other absorbent or non absorbent surfaces. (Refer to technical legend for applications on wooden floors). It allows grouting 5 hours after fixing. It is suitable for vertical applications of ceramic, porcelain and mosaic tiles and medium sizes of marbles. The weight of marble, particularly the heavy or big sizes of marble should be considered on the vertical applications.

**TECHNICAL CHARACTERISTICS**

- Application: VS-V6 notched trowel
- Display: 20 kg Kraft sacks, 1200 kg on pallets
- Consumption: Change acc. to tile dimension (4-5 kg/m²)
- Color: White
- Mixing ratio: Ready mixed
- Working temperature: +8 °C to +35 °C
- Resistance to temperature: -30 °C to +70 °C
- Tensile strength: >1.0 N/mm²
- Opening foot traffic: 24-48 hours
- Bed thickness: 2-6 mm
- Storage: 12 months in dry rooms in unopened packaging

**HP**

High performance ready mixed tile adhesive

VitraFix HP is used to apply sandstone, earthenware, porcelain glazed tiling and natural stones, on concrete, cement-based plasters, gypsum board panels, wooden panels, old ceramic, cellular concrete, paintwork. It is also suitable to fix tiles on timber floors, using suitable primers (VitraFix FILM PLUS). It has high flexibility for fixing tiles on internal walls and floors and also external walls. Use VS-V6 type steel trowel during application.

**TECHNICAL CHARACTERISTICS**

- Application: VS-V6 notched trowel
- Display: 15 kg plastic cans
- Consumption: 2.3 kg/m²
- Color: White
- Mixing ratio: Ready mixed
- Working temperature: +8 °C to +35 °C
- Resistance to temperature: -10 °C to +70 °C
- Tensile strength: >1.0 N/mm²
- Opening foot traffic: 24-48 hours
- Bed thickness: 2-6 mm
- Storage: 12 months in dry rooms in unopened packaging
GROUTING MATERIALS

1-6 mm
Grouting material
Plasticised and water repellent cement based grout for all porous or non-porous tiles for joints from 1-6 mm. Easy application and crackless product for joints. It is suitable to use on internal and external walls and floors. For outside floors which are subjected to high loads and for communal kitchens and showers use Vitra Fix FLEX 3-10 mm.

**TECHNICAL CHARACTERISTICS**
- **Application**: Rubber trowel
- **Display**: 10-20 kg kraft sacks, 1000 - 12/00 kg on palette
- **Color**: 21 colours
- **Mixing ratio**: 5-2.4-1.6 it clean water for 20 kg sacks
- **Resistance to temperature**: -15°C to +70°C
- **Pot life**: 1 hour
- **Opening foot traffic**: 24-48 hours
- **Grout size**: 1-6 mm
- **Storage**: 12 months in dry rooms in unopened packaging

FLEX 0-3 mm
Antibacterial flexible grouting material
Cement based, antibacterial and flexible grouting material for all porous or non-porous tiles for joints from 0 to 1-6 mm. It is suitable to use on internal and external walls and floors. Provides easy application and crackless surfaces. Resistant to UV and outdoor conditions. Especially recommended for glass tiles and rectified tiles.

**TECHNICAL CHARACTERISTICS**
- **Application**: Rubber trowel
- **Display**: 10-20 kg kraft sacks, 1000 - 12/00 kg on palette
- **Color**: 21 colours
- **Mixing ratio**: 6.6-7.2 it clean water for 20 kg sacks
- **Resistance to temperature**: -15°C to +70°C
- **Pot life**: 1 hour
- **Opening foot traffic**: 24-48 hours
- **Grout size**: 0-3 mm
- **Storage**: 12 months in dry rooms in unopened packaging

RUSTIK 3-20 mm
Natural effect grouting material
Plasticised water resistance, cement based and natural effect grout for all porous or non-porous tiles for joints from 3-20 mm. Crackless wide joint application allows natural effects on terra cotta, big size tiles, mosaics, natural stones. It is suitable for interior and exterior floors. It allows decorative application on floor tiles.

**TECHNICAL CHARACTERISTICS**
- **Application**: Rubber trowel
- **Display**: 20 kg kraft sacks, 1200 kg on palette
- **Color**: Grey
- **Mixing ratio**: 4.5-4.6 it clean water for 20 kg sacks
- **Resistance to temperature**: -15°C to +70°C
- **Pot life**: 1 hour
- **Opening foot traffic**: 24-48 hours
- **Grout size**: 3-20 mm
- **Storage**: 12 months in dry rooms in unopened packaging

FLEX 3-10 mm
Flexible antibacterial grouting material
Plasticised water and frost resistance, antibacterial, flexible cement based grout for all porous or non porous tile, for joints from 3-10 mm. Easy application and crackless surface excellent flexibility for private or public showers, private swimming pools, heated floors, heavy traffic cross lines, business centers etc. It has high water repellency effect for clean and hygienic surfaces.

**TECHNICAL CHARACTERISTICS**
- **Application**: Rubber trowel
- **Display**: 10-20 kg kraft sacks, 1000 - 12/00 kg on palette
- **Color**: 21 colours
- **Mixing ratio**: 5.2-6.2 it clean water for 20 kg sacks
- **Resistance to temperature**: -30°C to +70°C
- **Pot life**: 1 hour
- **Opening foot traffic**: 24-48 hours
- **Grout size**: 3-10 mm
- **Storage**: 12 months in dry rooms in unopened packaging
POOL G 2-10 mm

2-10 mm High performance, cement based, flexible grouting material

Special formulated, rapid setting cement based grouting material, especially used for swimming pools, laboratories, kitchens, hospitals etc. where hygiene and slightly acid and alkaline resistance required. It is ready for light pedestrian traffic 3 hrs after application. It is also recommended to use in safety water tanks. High water repellency and non crackless application for joints up to 2-10 mm. For more technical information please consult technical assistance. It requires the recommendations of CG2 with EN 1988.

EPOXY

Acid and alcaly resistant, two component epoxy resin based grouting and fixing material

Vitra Fix EPOXY is two component solvent free epoxy resin based grout for fixing tiles creating acid and alkali resistant joints between tiles. It has high performance under mechanical compression stresses, washing operations, impact and shocks. It is available for commanul kitchens, food processes, swimming pools, hospitals, car service stations, supermarkts etc. It is antibacterial and easy to apply when compared with other epoxy based products. It is also suitable to fix tiles where cement based products are not suitable such as stainless steel etc. applications. For milk processing facilities and units, please consult technical service.

COLORS OF GROUTS
PRIMERS and ADDITIVES

**FILM**

**Primer**
Vitramix Film is a synthetic resin based primer for the treatment of surfaces. Vitramix Film reduces the water absorption level of the surface increases the adhesion level of plasterings on ceramic tiles. It is suitable for concrete, plasterboard panels, gypsum mortars, old ceramic finishes.

- **Technical Characteristics**
  - Display: 5 lt plastic cans
  - Appearance: Liquid
  - Color: Orange
  - Flammability: None
  - Mixing ratio: Do not add water
  - Consumption: 0.100 - 0.200 lt/m²
  - PH: 8
  - Density: 1.04 gr/cm³
  - Storage: 12 months in dry rooms in unopened packaging

**FILM PLUS**

High performance adhesion primer
Improves the adhesion of mortars on non porous substrates recommended for use on wooden substrates, existing tiles, adhesive resins, rigid vinyl tiles, concrete, cement based screeds, asphalt screeds, chipboard, plywood, soundproof work (polyurethane, epoxy, acrylic). It is water based and solvent free.

- **Technical Characteristics**
  - Application: Roller or brush
  - Display: 10 kg plastic cans
  - Consumption: 0.300-0.500 kg/m²
  - Color: Blue
  - Density: 1.45 gr/cm³
  - Mixing ratio: Do not add water
  - Application temperature: -5 °C to +30 °C
  - Setting time: 3-6 hours
  - Storage: 12 months in dry rooms in unopened packaging

**LATEX**

High performance additive
High performance, synthetic resin based additive for cement based mortars improving their adhesion impermeability and flexibility. Non-flammable and non toxic, high quality product for professional usage. It is suitable for cement and gypsum based mortars, cement based plasters levelling screeds, cement based adhesives and grouting tiles which are subjected to high physical on mechanical stress.

- **Technical Characteristics**
  - Display: 5-20 lt plastic cans
  - Appearance: Liquid
  - Color: White
  - Flammability: None
  - Mixing ratio: Do not add water, mix before use
  - Consumption: 1/3 Vitramix LATEX with 2/3 water by volume of adhesive and grouting materials.
  - Storage: 12 months in dry rooms in unopened packaging

**NET**

Liquid ceramic tile cleaning material (concentrate)
Cleaning liquid material to remove any traces of cement on ceramic or porcelain tiles. It is a concentrated product with low pH (pH<11) degree. It is recommended not to use on natural stones such as marble, granite etc. which are sensitive to acids.

- **Technical Characteristics**
  - Display: 1 lt x 10 pcs in box
  - Color: Transparent
  - Application: Sponge, Brush etc.
  - Mixing ratio: Use the product either purely or diluted with a proportion of 1 volume of product for 4 volume of water
  - Consumption: 30-40 m²
  - PH: 1.1
  - Storage: 12 months in dry rooms in unopened packaging
P11
Powder ceramic tile cleaning material
Cleaning powder to remove traces of cement, grease or rust on matt porcelain tiles. It is recommended not to use on polished or non-polished natural stones or glazed wall and floor tiles.

**TECHNICAL CHARACTERISTICS**
- Display: 1 kg x 12 pcs in box
- Color: White
- Application: Sponge, Brush etc.
- Consumption: 10-20 m²
- Storage: 12 months in dry rooms in unopened packaging

JOINT CLEANER
This product is specially designed to clean and remove residues on floors and wall tiles in a fast and efficient manner. It is also used for cleaning the grouts. Product removes dirt at bathrooms, kitchens and rooms without causing any corrosion, and any damage to stainless steel or plastic surfaces. Joint cleaner should only be used at floors or tiles made up of stone, porcelain, ceramic, or fired clay. Do not use the product at terrazzo, granite, marble, or mosaic floors (it removes brightness).

**TECHNICAL CHARACTERISTICS**
- Display: 0.5 l spray - plastic cans
- Appearance: Transparent, light and colorless liquid
- Ph: 1.5
- Density: 0.9 g/cm³
- Freezing point: -6 °C
- Consumption: Coverage depends upon aqueous mortar, and 1 litre for a linear line of 100 meters
- Storage: 12 months in dry rooms in unopened packaging

SURFACE PROTECTION AGENT
This product is designed to protect especially marble, granite and terrazzo surfaces against all kinds of stains. It does not change original appearance of surfaces. It forms a very brilliant film and protects surfaces against wears and tears attributable to corrosive properties of traffic on surfaces, humidity, and grease-based dirt. Stain-Resistant Protection Agent for marble, granite and terrazzo provides protection against water, dust, and lime.

**TECHNICAL CHARACTERISTICS**
- Display: 1 lt metal cans
- Appearance: Transparent liquid
- Density: 1 g/cm³
- Consumption: Between 10 an 12 m²/lt
- Storage: 12 months in dry rooms in unopened packaging

STAIN REMOVER
This product is an alkali-based stain removing agent which is used to remove stains on coating materials such as ceramic tiles, marbles, natural granites, porcelain tiles, and etc. It efficiently removes stains such as coffee, wine, non-alcoholic drinks, oil, juices and etc. from surfaces.

**TECHNICAL CHARACTERISTICS**
- Display: 1 l metal cans
- Appearance: Transparent liquid
- Ph: 12.0
- Density: 0.9 g/cm³
- Consumption: It may vary depending upon the stain to be removed, and degree of contamination. 1lt of product can clean an area of 8 m² to 10 m². This rate may change for cleaning of heavy stains and dirt.
- Storage: 12 months in dry rooms in unopened packaging
HYDROSIL

Water repellent, transparent primer

Vitra Fix HYDROSIL is a silicone resin-based product with excellent water repellent for many absorbent mineral and even highly alkaline substrates, such as bricks, concrete, lime and stone, natural sandstone, and mineral plasters. It is not suitable for less absorbent, dense natural stone, especially lime stone and marble. Vitra Fix HYDROSIL is high stability to alkalis and U.V. rays. Vitra Fix HYDROSIL allows to surfaces to take breath. Provides good adhesion for paints.

**TECHNICAL CHARACTERISTICS**

- **Display**: 5 kg plastic containers
- **Application**: Brush
- **Consumption**: 0.400 - 0.600 kg/m²
- **Mixing**: Don’t add water
- **Color**: Transparent (After application)
- **Storage**: 12 months if stored in dry rooms (+5 and +30 °C) in original cans
- **pH**: 8

HYDROSTOP

Liquid water proofing coat

Acrylic based flexible water proofing material. It is suitable for private public bathrooms, showers, kitchens etc. It can easily apply on cement based substrates, existing ceramic coverings, paint and wood, plasterboards. Vitra Fix FILM must be applied before Vitra Fix HYDROSTOP application.

**TECHNICAL CHARACTERISTICS**

- **Application**: Roller, brush
- **Display**: 10 kg plastic cans
- **Consumption**: 0.900 - 1 kg/m² for single layer
- **Color**: Green
- **Density**: 1.42 g/cm³
- **Mixing ratio**: Directly usable
- **Application temperature**: +5 °C to +30 °C
- **Setting time**: 12 hours/layer
- **Tile application time**: Min. 2 hours (50 °C ambient temp.)
- **Application surfaces**: Gypsum plastered or gypsum board surfaces, gasbeton, pre-cost concrete surfaces, wooden surfaces.
- **Storage**: 12 months in dry rooms in unopened packaging

PROOF HG

Cement based, one component water isolation mortar

Vitra Fix PROOF HG is a cement-based water isolation agent which provides high level of water impermeability. It can be used for potable water tanks. It is a single component isolation mortar containing hydraulic binders which is resistant to seawater and frost, and has high adhesion properties. Product is used for permanent isolation of potable water tanks and swimming pools, basements, underground parking lots, concrete curtain walls, retaining walls and similar structures which have contact with soil, for isolation of connection points of basement, floors and surrounding walls, cold joint strips, and water flood areas.

**TECHNICAL CHARACTERISTICS**

- **Application**: Brush, Trowel
- **Display**: 25 kg kraft sacks
- **Application time**: Approx. 2 hours
- **Application temperature**: +5 °C to +35 °C
- **Consumption**: Against ground humidity; 2 kg/m² (dry layer thickness of approx. 1.2 mm) Against pressurized water; 4 kg/m² (dry layer thickness of approx. 2.4 mm)
- **Mixing ratio**: Approx. 8.75 lt mixing liquid for 25 kg mortar
- **Storage**: 12 months in dry rooms in unopened packaging

PROOF S

Semi-Flexible Water proofing material with two components

Cement based, two component, semi flexible water proofing material under ceramic or similar covering materials. It is suitable for special or private showers, kitchens, wc, terraces, balconies where excess water is transferred. Well adapted to cement based mortars and plasters. For applications immersed in water such as swimming pools and water tanks Vitra Fix PROOF, it is not suitable for water proofing material is recommended. Do not expose to UV and direct sun light.

**TECHNICAL CHARACTERISTICS**

- **Application**: Roller, Steel Trowel, Brush
- **Display**: 25 kg powder + 6.25 lt liquid
- **Color**: Powder (Grey), Liquid (White)
- **Consumption**: 1.5 - 2 kg/m² for 1 mm thickness
- **Mixing ratio**: 6.25 lt liquid for 25 kg sacks
- **Application temperature**: +45 °C to +70 °C (after final strength)
- **Setting time**: 16 - 12 hours
- **Bed thickness**: Min. 2 mm (2 layers)
- **Tile application time**: Min. 12 hours
- **Storage**: 12 months in dry rooms in unopened packaging
PROOF

Water proofing material with two components
The cement based water proofing material under ceramic or similar covering well adapted for walls and floors which are exposed to dampness of water. It is available for application on gypsum plasters components, mortar, plasterboard panels. Before fixing tiles apply Vitra Fix PROOF at least 2 layers to provide a waterproofing surface. It is also suitable for swimming pools. Tile applications should be done after the surface is sealed by Vitra Fix PROOF.

▼ TECHNICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application</td>
<td>Roller, Steel Trowel, Brush</td>
</tr>
<tr>
<td>Display</td>
<td>25 kg powder + 12.5 lt liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Powder (Grey), Liquid (White)</td>
</tr>
<tr>
<td>Consumption</td>
<td>1.5 kg/m² for 1 mm thickness (Min 1.5 mm)</td>
</tr>
<tr>
<td>Mixing ratio</td>
<td>12.5 lt liquid for 25 kg sacks</td>
</tr>
<tr>
<td>Application temperature</td>
<td>45°C to +35°C</td>
</tr>
<tr>
<td>Resistance to temperature</td>
<td>30°C to +80°C</td>
</tr>
<tr>
<td>Setting time</td>
<td>6 hours</td>
</tr>
<tr>
<td>Bed thickness</td>
<td>1.5 - 2 mm</td>
</tr>
<tr>
<td>Tile application time</td>
<td>Min. 12 hours</td>
</tr>
<tr>
<td>Storage</td>
<td>12 months in dry rooms in unopened packaging</td>
</tr>
</tbody>
</table>

Vitra Fix

12
**FLOORING PRODUCTS**

**S5 (1-5 mm thickness)**

**Self levelling compound (1-5 mm)**

Cement based self levelling compound for flooring indoor places for ceramic tiles, carpets, wooden floorings, viney or similar floor coverings where 1 to 5 mm thickness required. Coverage can put on laying 12-24 hrs after application. The surface should be primed with VitrA Fix FILM before application.

**TECHNICAL CHARACTERISTICS**

- **Application**: Steel Trowel, Spiked Roller
- **Display**: 25 kg kraft sacks, 1200 kg on palette
- **Consumption**: 1.5-2 kg/m² for 1 mm thickness
- **Color**: Grey
- **Mixing ratio**: 25 kg powder mixed with 6-6.5 lt clean water
- **Resistance to temperature**: 30 °C +80 °C (after final strength)
- **Application thickness**: 1-5 mm
- **Pot life**: 30 minutes
- **Opening foot traffic**: 24-48 hours (20 °C, 50% rel. hum.)
- **Storage**: 12 months in dry rooms in unopened packaging

**S10 (3-10 mm thickness)**

**Self levelling compound**

For levelling and smoothing out uneven substrates, application thickness 3 to 10 mm, suitable for use under ceramic and other types of coverings it is suitable for concrete slaps and cement mortar screeds etc. VitrA Fix S10 can be used areas such as school, offices, hospitals, apartments. Not suitable for permanently damp rooms or floors and exterior areas. According to weather conditions, setting time changes between 12-24 hours.

**TECHNICAL CHARACTERISTICS**

- **Application**: Steel Trowel, Spiked Roller
- **Display**: 25 kg kraft sacks, 1200 kg on palette
- **Consumption**: 1.5-2 kg/m² for 1 mm thickness
- **Color**: Grey
- **Mixing ratio**: 25 kg powder mixed with 5.5-6 lt clean water
- **Resistance to temperature**: 30 °C +80 °C (after final strength)
- **Application thickness**: 3-10 mm
- **Pot life**: 30 minutes
- **Opening foot traffic**: 24-48 hours (20 °C, 50% rel. hum.)
- **Storage**: 12 months in dry rooms in unopened packaging

**S30 (4-30 mm thickness)**

**Self levelling compound**

VitrA Fix S30 is suitable for all public and private premises where heavy traffic is requiring a finish covering such as ceramic tiles, carpets, plastic tiles or coverings, wooden flooring and their suitable adhesives. Thickness from 4 mm. to 30 mm. Interior floor applications available on old tiles, special floor paints, asphalt bases, particle board flooring, wooden, parquet flooring, cement mortar screed, concrete etc. It contains fiber for crackless application. According to weather conditions, setting time changes between 6-8 hours.

**TECHNICAL CHARACTERISTICS**

- **Application**: Steel Trowel, Spiked Roller
- **Display**: 25 kg kraft sacks, 1200 kg on palette
- **Consumption**: 1.5-2 kg/m² for 1 mm thickness
- **Color**: Grey
- **Mixing ratio**: 25 kg powder mixed with 5-5.5 lt clean water
- **Application temperature**: 45 °C to +35 °C
- **Resistance to temperature**: 30 °C +80 °C
- **Opening foot traffic**: 12 hours
- **Application thickness**: 4-30 mm
- **Pot life**: 30 minutes
- **Storage**: 12 months in dry rooms in unopened packaging

**F 50 (10-50 mm thickness)**

**Dry mortar (10-50 mm)**

Cement based dry mortar for uneven surfaces where 10-50 mm of thickness required. It is suitable for underlying ceramic tiles, natural marbles, wood coverings and also for carpets. It is an alternative product for conventional cement based mortars for floors. Water ratio is written back of package and technical data sheets and should be obeyed to get the high est performance. Standard or flexible cement based tile adhesives can be used for fixing tiles immediately on F 50 application without waiting for setting time. For more technical information please consult technical assistance.

**TECHNICAL CHARACTERISTICS**

- **Application**: Steel Trowel
- **Display**: 25 kg kraft sacks, 1200 kg on palette
- **Consumption**: 1.5-2 kg/m² for 1 mm thickness
- **Color**: Grey
- **Mixing ratio**: 25 kg powder mixed with 2.5-3 lt clean water
- **Resistance to temperature**: 30 °C +80 °C (after final strength)
- **Application temperature**: 45 °C to +35 °C
- **Application thickness**: 10-50 mm
- **Opening foot traffic**: 24-48 hours (at +23°C)
- **Full hardening time**: 28 days (at +23°C)
- **Tile application time**: Hemen (instantly) olarak
- **Storage**: 12 months in dry rooms in unopened packaging
SM 610
Acetic antibacterial silicone sealant
Vitra Fix SM 610 is one part, acid curing silicone sealant for general purpose sealing in do-it-yourself applications. Good adhesive strength on glass, vitrified surfaces, ceramic tiles, many plastic and most paint. Vitra Fix SM 610 should not be used on substrates such as marble, concrete, fibrous cement and mortar, as the product releases acetic acid during vulcanization.

<table>
<thead>
<tr>
<th>TECHNICAL CHARACTERISTICS</th>
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<tbody>
<tr>
<td>Application</td>
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<tr>
<td>Display</td>
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<tr>
<td>Color</td>
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<tr>
<td>Consumption</td>
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<tr>
<td>Application temperature</td>
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<tr>
<td>Resistance to temperature</td>
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<tr>
<td>Tensile strength</td>
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<tr>
<td>Elongation at break</td>
</tr>
<tr>
<td>Tack free time</td>
</tr>
<tr>
<td>Hardness (Shore A)</td>
</tr>
</tbody>
</table>

SM 810
Neutral-antibacterial silicone sealant
Vitra Fix SM 810 is one part, neutral curing silicone sealant with excellent adhesion and long shelf life. Excellent adhesion on tile, ceramic glass, concrete, masonry, aluminium, metal, wood, PVC. For sealing joints of sanitary, ceramic, tile, window, door, etc. And for filling small cracks and joints. It is suitable for fixing mirrors and tiles on walls. It is non-viscous. It has high resistance to UV and strong weather conditions. It is suitable for all kinds of DIY applications (houses, boats, cars, caravans etc.)

<table>
<thead>
<tr>
<th>TECHNICAL CHARACTERISTICS</th>
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<tbody>
<tr>
<td>Application</td>
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<tr>
<td>Display</td>
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<tr>
<td>Color</td>
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<tr>
<td>Consumption</td>
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<td>Application temperature</td>
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<td>Resistance to temperature</td>
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<tr>
<td>Tensile strength</td>
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<tr>
<td>Elongation at break</td>
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<tr>
<td>Tack free time</td>
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<tr>
<td>Hardness (Shore A)</td>
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</tbody>
</table>

MS 02
Single component hybrid joint fill mastic
Vitra Fix MS 02 is suitable for connection and expansion joints at inner and outer sections of structures. You can use it at joints at high-rise structures, entire of structures, i.e. windows, doors, and roof sections and isolations at wooden and metal structures and at food sections. Vitra Fix MS 02 is a multi-purpose, single component, hybrid-based joint fill mastic. Vitra Fix MS 02 has water impermeability properties, and gains a soft and elastic property due to humidity in air. They have good resistance to weather conditions and have good UV sensitivity.

<table>
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<tr>
<th>TECHNICAL CHARACTERISTICS</th>
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<tbody>
<tr>
<td>Type</td>
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<tr>
<td>Display</td>
</tr>
<tr>
<td>Color</td>
</tr>
<tr>
<td>Hardening system</td>
</tr>
<tr>
<td>Density</td>
</tr>
<tr>
<td>Change in volume</td>
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<tr>
<td>Elongation-tensile value at 100%</td>
</tr>
<tr>
<td>Shore-hardness</td>
</tr>
<tr>
<td>Expansion ratio</td>
</tr>
<tr>
<td>Thermal resistance</td>
</tr>
<tr>
<td>Application temperature</td>
</tr>
<tr>
<td>Storage</td>
</tr>
</tbody>
</table>
**RM 20**

**Surface smoothing & repairing mortar**
up to 5-20 mm

Cement-based, polymer modified, coarse grained, specially formulated surface smoothing and repairing mortar up to 5-20 mm. Easy application on concrete or cement based plasters or mortars and brickwork on walls. **Vitra Fix LATEX** can be mixed with 1/3 of water content of **Vitra Fix RM 20** to increase the product flexibility, physical and mechanical performance. Any wall coatings can be applied on **Vitra Fix RM 20** after setting time is finished. Application on gypsum or cement based chip boards is not allowed.

**TECHNICAL CHARACTERISTICS**

- **Application:** Steel Trowel
- **Display:** 25 kg kraft sacks, 1200 kg on palette
- **Consumption:** 1.5 kg/m² for 1 mm thickness
- **Color:** Grey, White
- **Mixing ratio:** 25 kg powder mixed with 6.25-6.75 l clean water
- **Resistance to temperature:** 30 °C to +80 °C (after final strength)
- **Application thickness:** 5-20 mm
- **Setting time:** 24 hours
- **Pot life:** 3 hours
- **Storage:** 12 months in dry rooms in unopened packaging

**RM 27**

**Surface smoothing and repairing mortar**

Cement-based, concrete smoothing mortar from 2 to 7 mm thickness. It is suitable for cement mortar finishing coats, concrete, brickwork etc. After **Vitra Fix RM 27** application, paint or decorative paints can be applied. **Vitra Fix LATEX** can be added into the mixture to give more flexibility and high adhesion between the surfaces. Not suitable for wood, plaster, fibre cement, cellular concrete and gypsum surfaces.

**TECHNICAL CHARACTERISTICS**

- **Application:** Steel Trowel
- **Display:** 25 kg kraft sacks, 1200 kg on palette
- **Consumption:** 1.5 kg/m² for 1 mm thickness
- **Color:** Grey, White
- **Mixing ratio:** 25 kg powder mixed with 6.25-6.75 l clean water
- **Resistance to temperature:** 30 °C to +80 °C (after final strength)
- **Application thickness:** 2-7 mm
- **Setting time:** 24 hours
- **Pot life:** 3 hours
- **Storage:** 12 months in dry rooms in unopened packaging

**RM FLAT**

**Surface smoothing plaster**

Cement-based surface smoothing plaster with mineral based filling materials, and special binders. Easy application on concrete surfaces and cement based mortars. Do not apply on wood, timber, cement based boards. Before the application on pre-cast concrete panel and gypsum boards, contact with producer. It's applied for thickness up to 2 mm using a plain trowel. Decorative paints and plasterers that get along well with cement based products can be applied on it.

**TECHNICAL CHARACTERISTICS**

- **Application:** Steel Trowel
- **Display:** 25 kg kraft sacks, 1200 kg on palette
- **Consumption:** 1.5 kg/m² for 1 mm thickness
- **Color:** Grey, White
- **Mixing ratio:** 25 kg powder mixed with 10-10.5 l clean water
- **Resistance to temperature:** -30 °C to +80 °C (after final strength)
- **Application thickness:** 0-3 mm
- **Setting time:** 24 hours
- **Pot life:** 3 hours
- **Storage:** 12 months in dry rooms in unopened packaging
PU PROOF

One component, UV resistance, liquid membrane for waterproofing & protection.

One component, low viscosity polyurethane fluid that cures with the humidity in the atmosphere. It produces an elastic strong film with excellent adhesion to different surfaces. Apply with brush, roller or airless in one or two coats.

- TECHNICAL CHARACTERISTICS
  - Application: Roller or airless spraying machine
  - Display: 25 kg metal cans (27 pcs. 675 kg on palette)
  - Consumption: 150-2,00 kg/m²
  - Color: Grey, Red, White
  - Opening foot traffic: 48 hours
  - Storage: 1 year
  - System thickness: 0.500 - 2 mm
  - Elasticity: 600%

PU PROOF T

Polyurethane full aliphatic transparent liquid membrane for water proofing

One component, low viscosity polyurethane fluid that cures with the humidity in the atmosphere. It produces an elastic strong film with excellent adhesion to different surfaces. Apply with brush, roller or airless in one or two coats on ceramic tiles, marbles etc. VITRA Fix PU PRIMER T is used before application on tiles or ext.

- TECHNICAL CHARACTERISTICS
  - Application: Roller or airless spraying machine
  - Display: 4 kg metal cans (27 pcs. 140 kg on palette)
  - Consumption: 150-2,00 kg/m²
  - Color: Transparent
  - Opening foot traffic: 48 hours
  - Storage: 1 year
  - System thickness: 0.500 - 1.5 mm
  - Elasticity: 600%

EP BITUMEN

Epoxy liquid membrane for waterproofing & expansion joints

Fast curing, two component epoxy liquid membrane. It produces a strong film with excellent adhesion to humidity surfaces. Apply with brush, roller or airless in one or two coats.

- TECHNICAL CHARACTERISTICS
  - Display: 20 (7+3) kg metal cans
  - Consumption: 150-2,00 kg/m²
  - Component: 2
  - Density: 1.6 - 1.8 gr/m³ (20 °C TS EN ISO 2811-1)
  - Viscosity: 1.5000000000000001
  - Shore A: 80 - ASTM D 2240, DIN 53505
  - Mixture of solids: By weight 100 - By volume 100
  - Application of thinner: Not been
  - Mixing ratio: 1/1 by weight
  - Mixing life: 40 60 minutes / 25 °C, 200°C DIN 16945
  - Application: Trowel, spatulate
  - Saturate: 12 kg/m² for 1 mm thickness
  - Setting time: To dry to touch: 8 10 hours (25 °C TS 437)
  - Full authority: 7 days (25 °C TS 437)

PU BITUMEN

Bitumen liquid membrane for waterproofing & expansion joints

Two component polyurethane liquid membrane. It produces a semi elastic strong film with excellent adhesion to different surfaces. Apply with brush, roller or airless in one or two coats. The product is based on pure elastomeric hydrophobic polyurethane resins and extended with polymerized bitumen.

- TECHNICAL CHARACTERISTICS
  - Application: Roller or airless spraying machine
  - Display: 20 (7+3) kg metal cans
  - Consumption: 150-2,00 kg/m²
  - Color: Black
  - Opening foot traffic: 48 hours
  - Storage: 1 year
  - System thickness: 0.500 - 2 mm
  - Elasticity: 1900%
**PU SEALANT 2C**

Two components, high elastic, liquid material for sealing wide expansion joints

The product is a pourable grade for horizontal joints. VITRA Fix EPOPRIMER is to be used for porous surfaces. Prepare the joint, clean and remove all the burns. Apply the material on the primed surface when the primer is still tacky.

**TECHNICAL CHARACTERISTICS**

- **Application**: With pouring method
- **Display**: 5 (4+1) kg metal cans
- **Consumption**: 150-200 kg/mt
- **Color**: Grey
- **Storage**: 1 year
- **Dilution width**: 10-20 cm
- **Elasticity**: 300%  

**PU SEALANT**

Thixotropic polyurethane sealant for horizontal & vertical joints

One component polyurethane sealant that cures with the humidity to form a though but highly elastic sealant of low modulus. High elastic - Shore A 25

**TECHNICAL CHARACTERISTICS**

- **Display**: 800 ml sausage (20 pcs/box)
- **Application**: Special sausage gun
- **Consumption**: 100-150 cc/mt
- **Color**: Grey, White, Black
- **Storage**: 1 year
- **Hardness**: Shore A (25)

**ANCHOR 2C**

Epoxy based, thixotropic, fast curing fixing mortar

Two component, solvent free, non-sag, epoxyacrylate, easy to use anchorage and fixing mortar.

**TECHNICAL CHARACTERISTICS**

- **Display**: 345 ml binary cartridges
- **Consumption**: 0.250-0.500 ml/hole
- **Component**: 2
- **Density**: 1.70 gr/cm³
- **Application temperature**: +5°C to +25°C
- **Application thickness**: Max. 20 mm
- **Setting time**: At +20°C, 120 dk (t-curing)
- **Application**: Special silicone gun (ANCHOR 2C GUN)
- **Surface**: Variable
- **Viscosity**: Thixotropic  

**ANCHOR 2C GUN**

Application gun.

[Image of a yellow sticker with the text “NEW PRODUCT”]
PU PRIMER T

One component, colourless primer for Vitra Fix PROOF T

- TECHNICAL CHARACTERISTICS
  - Application: Roller or airless spraying machine
  - Display: 1 kg metal cans (2 pcs/box)
  - Consumption: 0.200-0.500 kg/m²
  - Color: Transparent
  - Opening foot traffic: 24 hours
  - Storage: 1 year
  - System thickness: 0.100-0.200 mm

EPOPRIMER

Epoxy based, solventless, two component primer
Solventless, epoxy based impregnation primer. Provides a film thickness for coatings on the surface.

- TECHNICAL CHARACTERISTICS
  - Application: Roller or airless spraying machine
  - Display: 25 (17+8) kg metal cans
  - Consumption: 0.200-0.500 kg/m²
  - Color: Transparent
  - Opening foot traffic: 24 hours
  - Storage: 1 year
  - System thickness: 0.300-0.500 mm

EPOMET PRIMER

Epoxy based, solventless, two component primer for metal surfaces
Solventless, epoxy based metal primer.

- TECHNICAL CHARACTERISTICS
  - Display: 20 (6+4) kg metal cans
  - Consumption: 0.300-0.350 kg/m²
  - Brightness: Matt
  - Color: Grey
  - Density: 1.40 - 1.50 gr/ml
  - Mixture of solids (%): by weight 68 ± 2
  - Application: Pneumatic spraying machine, Airless spraying machine, Brush, Roller
  - Hardening rate: 27% (by weight)
  - Mixing Life: BHQ-0750 8 hours Normal
  - BHQ-0755 6 hours Fast
  - Application viscosity: 20-24 s / DIN CLIP4 / 20 °C
  - VOC: < 230 g/l
  - Flash point: > 21 °C
**EPOSELF 2C**

Epoxy based, solventless, self levelling flooring material

Vitra Fix EPOPRIMER is applied on the surfaces before the application. Component A (Resin) and Component B (Hardener) is mixed with mixer in 300 rpm/min. The mixture can be applied on prepared surface. The final coat finishes with epoxy or polyurethane paints. This system can be used for industrial floorings, hospitals, warehouses, showrooms etc.

**TECHNICAL CHARACTERISTICS**
- Display: 20 (4+2.5) kg metal cans
- Component: 2
- Density: 170-190 gr/cm³ (20 °C TS EN ISO 2811-1)
- Mixture of solids (%): By weight 100
- Shore D: 88 - ASTM D 2240, DIN 53505
- Mixing ratio: A/B: 48/52
- Mixing life: 30-40 minutes (23 °C, 200 g DIN 16945)
- Application: Trowel, roller
- Safeguard: 1.8 kg for 1mm thickness
- Setting time: To dry to touch: 10-12 hours (25 °C TS 4317)
- Full authority: 7 days (25 °C TS 4317)

**EPOSELF 3C**

Three component, epoxy based, solventless self levelling, flooring material

Vitra Fix EPOPRIMER is applied on the surfaces before the application. Component A (Resin) and Component B (Hardener) and Component C (Quartz) is mixed with mixer in 300 rpm/min. The mixture can be applied on prepared surface. The final coat finishes with epoxy or polyurethane paints. This system can be used for industrial floorings, hospitals, warehouses, showrooms etc.

**TECHNICAL CHARACTERISTICS**
- Display: 25 (12+2.5+2.5) kg metal cans
- Component: 3
- Density: 170-190 gr/cm³ (20 °C TS EN ISO 2811-1)
- Mixture of solids (%): By weight 100
- Shore D: 88 - ASTM D 2240, DIN 53505
- Mixing ratio: A/B/C: 48/24/28
- Mixing life: 30-40 minutes (23 °C, 200 g DIN 16945)
- Application: Trowel, roller
- Safeguard: 1.8 kg for 1mm thickness
- Setting time: To dry to touch: 10-12 hours (25 °C TS 4317)
- Full authority: 7 days (25 °C TS 4317)

**EPOSELF ANTISTATIC 3C**

Three components, epoxy based, solventless, antistatic flooring material

Vitra Fix EPOPRIMER is applied on the surfaces before the application. Component A (Resin) and Component B (Hardener) and Component C (Quartz) is mixed with mixer in 300 rpm/min. The mixture can be applied on prepared surface. This system can be used for electronic device producers, medical, hospitals (operation rooms) etc.

**TECHNICAL CHARACTERISTICS**
- Display: 25 (12+2.5+2.5) kg metal cans
- Component: 3
- Density: 170-190 gr/cm³ (20 °C TS EN ISO 2811-1)
- Mixture of solids (%): By weight 100
- Shore D: 88 - ASTM D 2240, DIN 53505
- Mixing ratio: A/B/C: 48/24/28
- Mixing life: 30-40 minutes (23 °C, 200 g DIN 16945)
- Electr. izlekeli kimikai kalasys: 10-12 (DIN 38935)
- Application: Trowel, roller
- Safeguard: 1.8 kg for 1mm thickness
- Setting time: To dry to touch: 10-12 hours (25 °C TS 4317)
- Full authority: 7 days (25 °C TS 4317)

**EPOSELF ELASTIC**

Two components, epoxy based, solventless, elastic flooring material

Vitra Fix EPOPRIMER is applied on the surfaces before the application. Component A (Resin) and Component B (Hardener) is mixed with mixer in 300 rpm/min. The mixture can be applied on prepared surface. The final coat finishes with epoxy or polyurethane paints. This system can be used on metal surfaces.

**TECHNICAL CHARACTERISTICS**
- Display: 20 (10.5+2.5) kg metal cans
- Component: 2
- Density: 150-200 gr/ml
- Application of thinner: Not been
- Mixing ratio: A/B: 87/13
- Mixing life: 30-60 minutes / 20 °C, 200 g
- Application: Trowel, roller
- Safeguard: 1.6 kg for 1mm thickness
- Setting time: Powder drying: 2-3 hours (25 °C)
- To dry to touch: 6-8 hours (25 °C)
- Full authority: 7 days (25 °C)

**PU LEVELLING**

Two components, polyurethane based, self levelling flooring material

Vitra Fix EPOPRIMER is applied on the surfaces before the application. Component A (Polyol) and Component B (Isocyanate) is mixed with mixer in 300 rpm/min. The mixture can be applied on prepared surface. The final coat finishes polyurethane paints. This system can be used for industrial floorings, hospitals, showrooms etc.

**TECHNICAL CHARACTERISTICS**
- Application: Steel trowel
- Display: 20 (16+4) kg metal cans
- Consumption: 150-300 gr/m²
- Color: Grey, White
- Opening foot traffic: 24 hours
- Storage: 1 year
- System thickness: 1.0-3.0 mm
**PU Levelling Elastic**

Two components, polyurethane based highly elastic, self levelling flooring material.

Vitra Fix EPOPRIMER is applied on the surfaces before the application. Component A (Poliol) and Component B (Isocyanate) is mixed with mixer in 300 rpm/min. The mixture can be applied on prepared surface. This system can be used for sport floorings.

- **Technical Characteristics**
  - Display: 20 (1+1) kg metal cans
  - Consumption: 150-3,000 kg/m²
  - Component: 2
  - Density: 130-140 g/cm³, 20 °C TS EN ISO 2811-1
  - Solids: 70 - 75 % ASM D 2240, DIN 53505
  - Mixture of solids (% by weight 100%)
  - Mixing ratio: By weight: 100:25
  - Mixing life: 30-40 minutes, 23 °C, 200 g (DIN 16945)
  - Application: Trowel, s relaxing
  - Application area: 140 kg for 1 mm thickness
  - Setting time: To dry to touch: 5-7 hours (25 °C TS 43°F)
  - Full hardening: 7 days (25 °C TS 43°F)

---

**EPOCOAT**

Two components, epoxy based coating for protection & water-proofing.

Excellent adhesion on concrete, metallic surfaces, wood, etc. Extremely high chemical resistance. Excellent resistance to low and high temperature.

- **Technical Characteristics**
  - Application: Roller or airless spraying machine
  - Display: 10 (5+5) kg metal cans
  - Consumption: 150-3,000 kg/m²
  - Color: Grey
  - Openinig foot traffic: 24 hours
  - Storage: 1 year
  - System thickness: 0.200-0.400 mm

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**PU Topcoat 2C**

Two components, polyurethane aromatic coating for protection & water-proofing.

Excellent adhesion on concrete, metallic surfaces, wood, etc. Excellent resistance to low and high temperature.

- **Technical Characteristics**
  - Application: Roller or airless spraying machine
  - Display: 20 (17+3) kg metal cans
  - Consumption: 150-3,000 kg/m²
  - Color: Grey
  - Openinig foot traffic: 24 hours
  - Storage: 1 year
  - System thickness: 0.300-0.500 mm

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**PU Topcoat 2CA**

Two components, polyurethane aliphatic coating for protection & water-proofing.

UV resistance for open areas. Excellent resistance to low and high temperature.

- **Technical Characteristics**
  - Display: 20 (15+5) kg metal cans
  - Brightness: Bright
  - Density: 120-130 g/ml
  - Mixture of solids (% by weight): 71%
  - Hardening rate: By weight: 3 h
  - Mixing life: 6-8 hours, 20 °C, 200 g
  - Application: Pneumatic spraying machine, Airless spraying machine, dipping, electrostatic
  - Solvent: 14-12 m²/l, (10 µ dry film thickness)
  - Application viscosity: 18-22 seconds (DIN/NCUP4/20 °C)
  - Dry period: To dry to touch: 60 minutes (20 °C)
  - Drying oven: 30 minutes (80 °C)
  - Flash point: >21 °C
**EPOFILLER**

Two components, thixotropic, epoxy based repairing mortar for walls

Excellent adhesion on vertical areas. Excellent resistance to low and high temperatures.

**TECHNICAL CHARACTERISTICS**

- **Display:** 10 (5+4) kg metal cans
- **Consumption:** 0.350-1.500 kg/m²
- **Component:** 2
- **Density:** 18-22 g/cm³ (20 °C TS EN ISO 2811-1)
- **Viscosity:** Thixotropic
- **Shore D:** 70-75 ASTM D 2240, DIN 53505
- **Mixture of solids (w):** By weight 100
- **By volume 100**
- **Application of thinner:** Not used
- **Mixing ratio:** A:B: 50:50 (by weight)
- **Mixing time:** 40-60 minutes / 23 °C, 100 g DIN 16945
- **Application:** Trowel, spatula
- **Saflayt:** 1.5 kg/m² for 1 mm thickness
- **Setting time:** To dry to touch: 8-10 hours (23 °C TS 4317)

**PU FILLER**

Two components, polyurethane based filling material

It is used for filling the porous surface of rubber rollers. After filling the rollers, Vitra Fix PU LEVELLING ELASTIC can be applied on the surface. The final coat finishes polyurethane allatic paints.

**TECHNICAL CHARACTERISTICS**

- **Display:** 20 (17+3) kg metal cans
- **Consumption:** 0.500-1.500 kg/m²
- **Component:** 1
- **Density:** 16-18 g/cm³ (20 °C TS EN ISO 2811-1)
- **Viscosity:** Thixotropic
- **Shore A:** 85-ASTM D 2240, DIN 53505
- **Mixture of solids (w):** By weight 100
- **By volume 100**
- **Mixing ratio:** A:B: 85:15 (by weight)
- **Mixing time:** 40-60 minutes / 23 °C, 200 g DIN 16945
- **Application:** Trowel, spatula
- **Saflayt:** 1.5 kg/m² for 1 mm thickness
- **Setting time:** To dry to touch: 3-7 days (23 °C TS 4317)

**EPOREP 3C**

Three component, epoxy based repairing mortar for floors

It is used to repair existing cracks, holes etc, on the surface before the final industrial application. Excellent adhesion and resistance on horizontal areas.

**TECHNICAL CHARACTERISTICS**

- **Display:** 25 (10+2.5+12.5) kg metal cans
- **Consumption:** 0.500-1.500 kg/m²
- **Component:** 3
- **Density:** 190-201 g/cm³ (20 °C TS EN ISO 2811-1)
- **Shore A:** 85-ASTM D 2240, DIN 53505
- **Mixture of solids (w):** By weight 100
- **Mixing ratio:** A:B:C: 40:10:50
- **Mixing time:** 40-60 minutes / 23 °C, 200 g DIN 16945
- **Application:** Trowel, spatula
- **Saflayt:** Zemindel çältiaksak danumuna göre değiştir.
- **Setting time:** To dry to touch: 7-8 hours (23 °C TS 4317)

**PU ADHESIVE**

Two components, polyurethane adhesive for ceramic tiles

It is used to fix the big size sintered porcelain tiles on concrete floor. Because of its thixotropic specification, it can be applied vertical and horizontal surfaces. Excellent adhesion on concrete, metal and wooden surfaces.

**TECHNICAL CHARACTERISTICS**

- **Display:** 22 (20+2) kg metal cans
- **Consumption:** 0.900-2.300 kg/m²
- **Component:** 1
- **Density:** 165-185 g/cm³
- **Viscosity:** 10-1500 mm²/s
- **Mixture of solids (w):** By weight 100
- **Mixing ratio:** B: 15% (by weight)
- **Mixing time:** 30-60 minutes / 20 °C
- **Application:** Trowel, rakel
- **Saflayt:** 300 - 600 g/m²
- **Setting time:** To dry to touch: 7-8 hours (23 °C)

**QUARTZ**

Used in the systems for epoxy & polyurethane floorings.

**TECHNICAL CHARACTERISTICS**

- **Display:** 50 kg
- **Consumption:** 0.200-3.000 kg/m²
- **Sieve analysis:** (1000 micron) (200-300 microns) (2000-5000 micron) (10000-30000 micron)
VT 500

Vitra Therm VT 500 is a high performance cement-based adhesive which is used to fix all kinds (EPS, XPS, LAMPODOPOR and ROCKWOOL) of thermal insulation boards on all categories of concrete and masonry. It is resistant to thermal shocks and moisture.

**TECHNICAL CHARACTERISTICS**

- **Application:** 6-10 mm notched trowel
- **Display:** 23 kg Kraft sacks, 48 pcs, 1200 kg on palette
- **Consumption:** Varies according to site conditions. For EPS and XPS boards 4-5 kg/m², for mineral wool 5-6 kg/m²
- **Color:** Grey
- **Mixing ratio:** 6.5 l water for 23 kg sacks
- **Pot life:** 2 hours
- **Application temperature:** +5 °C to +35 °C
- **Under normal conditions on the concrete floor:** 0.25 (N/mm²)
- **Water Immersion (2 hours dry environment):** 0.08 (N/mm²)
- **Water Immersion (7 days dry environment):** 0.25 (N/mm²)
- **Adhesion strength on the thermal insulation boards:** 0.08 (N/mm²)
- **Storage:** 12 months in dry rooms in unopened packaging

VT 550

Vitra Therm VT 550 is a high performance acrylic dispersion based ready mixed adhesive which is used to fix all kinds (EPS, XPS, LAMPODOPOR and ROCKWOOL) of thermal insulation boards, particularly on wood, gypsum and alline surfaces. It is resistant to thermal shocks and moisture and suitable for use in interior and exterior applications.

**TECHNICAL CHARACTERISTICS**

- **Application:** V5-V6 notched trowel
- **Display:** 5 kg plastic cans
- **Consumption:** Varies according to site conditions. Approximate consumption amount is 3-4 kg/m²
- **Color:** White
- **Mixing ratio:** Ready to use
- **Application temperature:** +8 °C to +35 °C
- **Adhesion strength on the thermal insulation boards:** 0.08 (N/mm²)
- **Storage:** 12 months in dry rooms in unopened packaging
## VT EPS

<table>
<thead>
<tr>
<th>BOARD THICKNESS</th>
<th>VT EPS Thickness 2 cm</th>
<th>VT EPS Thickness 3 cm</th>
<th>VT EPS Thickness 4 cm</th>
<th>VT EPS Thickness 5 cm</th>
<th>VT EPS Thickness 6 cm</th>
<th>VT EPS Thickness 7 cm</th>
<th>VT EPS Thickness 8 cm</th>
</tr>
</thead>
</table>

Expanded Polystyrene Thermal Insulation Board (density = 16 kg/m³). It is a E Fire Class product according to EN 13501-1. Thermal Conductivity of EPS is 0.04 W/mK. Provides thermal insulation.

## VT TERRAPOR

<table>
<thead>
<tr>
<th>BOARD THICKNESS</th>
<th>VT TERRAPOR Thickness 2 cm</th>
<th>VT TERRAPOR Thickness 3 cm</th>
<th>VT TERRAPOR Thickness 4 cm</th>
<th>VT TERRAPOR Thickness 5 cm</th>
<th>VT TERRAPOR Thickness 6 cm</th>
<th>VT TERRAPOR Thickness 7 cm</th>
<th>VT TERRAPOR Thickness 8 cm</th>
</tr>
</thead>
</table>

Expanded Polystyrene Thermal Insulation Board (density = 24 kg/m³). Improved for base walls with low water absorption. It is a E Fire Class product according to EN 13501-1. Thermal Conductivity of TERRAPOR is 0.056 W/mK. Provides thermal insulation.

## VT LAMPDOPOR

<table>
<thead>
<tr>
<th>BOARD THICKNESS</th>
<th>VT LAMPOPOR Thickness 2 cm</th>
<th>VT LAMPOPOR Thickness 3 cm</th>
<th>VT LAMPOPOR Thickness 4 cm</th>
<th>VT LAMPOPOR Thickness 5 cm</th>
<th>VT LAMPOPOR Thickness 6 cm</th>
<th>VT LAMPOPOR Thickness 7 cm</th>
<th>VT LAMPOPOR Thickness 8 cm</th>
</tr>
</thead>
</table>

Expanded Polystyrene Thermal Insulation Board improved with graphite (density = 16 kg/m³). It is a E Fire Class product according to EN 13501-1. Thermal Conductivity of LAMPOPOR is 0.031 W/mK. Provides thermal insulation.

## VT XPS

<table>
<thead>
<tr>
<th>BOARD THICKNESS</th>
<th>VT XPS Thickness 2 cm</th>
<th>VT XPS Thickness 3 cm</th>
<th>VT XPS Thickness 4 cm</th>
<th>VT XPS Thickness 5 cm</th>
<th>VT XPS Thickness 6 cm</th>
<th>VT XPS Thickness 7 cm</th>
<th>VT XPS Thickness 8 cm</th>
</tr>
</thead>
</table>

Extruded Polystyrene Thermal Insulation Board. It is a E Fire Class product according to EN 13501-1. Thermal Conductivity of XPS is 0.031 W/mK. Provides thermal insulation.

## VT ROCKWOOL

<table>
<thead>
<tr>
<th>BOARD THICKNESS</th>
<th>VT ROCKWOOL Thickness 3 cm</th>
<th>VT ROCKWOOL Thickness 4 cm</th>
<th>VT ROCKWOOL Thickness 5 cm</th>
<th>VT ROCKWOOL Thickness 6 cm</th>
<th>VT ROCKWOOL Thickness 7 cm</th>
<th>VT ROCKWOOL Thickness 8 cm</th>
</tr>
</thead>
</table>

Rockwool exterior coating board. It is a E Fire Class product according to EN 13501-1. Thermal Conductivity of ROCKWOOL is 0.04 W/mK. Provides thermal, sound and fire insulation.
Adhesives for Thermal Insulation Boards

VT 600

Vitra Therm VT 600 is an easy-to-apply cement-based base coat render which is applied over all kinds (EPS, XPS, LAMPDOPOR and ROCKWOOL) of thermal insulation boards. It is resistant to thermal shocks and moisture. Vitra Therm VT 600 has an easy and crackless application both on internal and external walls.

- **TECHNICAL CHARACTERISTICS**
  - **Application**: Trapezoidal trowel
  - **Display**: 25 kg kraft sacks, 48 pcs, 1200 kg on palette
  - **Consumption**: The value changes according to site conditions.
    - For EPS and XPS boards 4-5 kg/m²
    - For mineral wools 5-6 kg/m²
  - **Color**: Grey
  - **Mixing ratio**: 6.5-7 l water for 25 kg sacks
  - **Pot life**: 3 hours
  - **Application temperature**: +5 °C to +35 °C
  - **Adhesion strength**: ≥0.08 (N/mm²)
  - **Storage**: 12 months in dry rooms in unopened packaging

VT 650

Vitra Therm VT 650 is an easy-to-apply acrylic dispersion based ready mixed base coat render which is applied over all kinds (EPS, XPS, LAMPDOPOR and ROCKWOOL) of thermal insulation boards. It is resistant to thermal shocks and moisture. Vitra Therm VT 650 has an easy and crackless application both on internal and external walls.

- **TECHNICAL CHARACTERISTICS**
  - **Application**: Notched trowel
  - **Display**: 15 kg plastic cans
  - **Consumption**: The value changes according to site conditions.
    - Approximate consumption is 3-4 kg/m²
  - **Color**: White
  - **Mixing ratio**: Ready to use
  - **Application temperature**: +5 °C to +35 °C
  - **Adhesion strength**: ≥0.08 (N/mm²)
  - **Storage**: 12 months in dry rooms in unopened packaging

Anchors for Fixing Thermal Insulation Boards

Nail-in cap anchor with plastic nail

Used for mechanical fixing of thermal insulation boards to concrete, bricks and honeycomb blocks. Pre-mounted nail ensures quick and easy installation.

- **ANCHOR SIZE**
  - VTP5S - 95 mm (For insulation boards with thickness 2-3-4 cm)
  - VTP13S - 135 mm (For insulation boards with thickness 3-4 cm)
  - VTP18S - 135 mm (For insulation boards with thickness 7-8 cm)
  - VTP23S - 155 mm (For insulation boards with thickness 9-10 cm)
  - VTP27S - 175 mm (For insulation boards with thickness 11-12 cm)

Nail-in cap anchor with steel nail

Used for mechanical fixing of thermal insulation boards to concrete, bricks and honeycomb blocks. Pre-mounted nail ensures quick and easy installation. Recommended in applications with ROCKWOOL.

- **ANCHOR SIZE**
  - VTC5S - 95 mm (For insulation boards with thickness 3-4 cm)
  - VTC13S - 115 mm (For insulation boards with thickness 5-6 cm)
  - VTC18S - 115 mm (For insulation boards with thickness 7-8 cm)
  - VTC23S - 135 mm (For insulation boards with thickness 9-10 cm)
  - VTC27S - 175 mm (For insulation boards with thickness 11-12 cm)

Screw-in cap anchor for concrete and masonry

Used for mechanical fixing of thermal insulation boards on all categories of concrete, solid and perforated masonry, lightweight aggregate and gas concrete. Pre-mounted screw ensures quick and easy installation. Additional caps and installable plugs allow homogeneous plain surfaces and even rendering - quick and milling dust.

- **ANCHOR SIZE**
  - VTMPP15 - 115 mm (For insulation boards with thickness 5-8 cm)
  - VTMPP15 - 135 mm (For insulation boards with thickness 9-10 cm)
  - VTMPP15 - 155 mm (For insulation boards with thickness 10-12 cm)
  - VTMP R Rockwool Cap (Rondela)
  - VTMAP-E EPS Cap (Rondela)
  - VTMAP-E EPS Plug

Screw-in cap anchor for wood and metal sheets

Used for mechanical fixing of thermal insulation boards on wood fibreboards, chipboards, gypsum fibreboards, OSB plates, solid wood plates and metal sheets.

- **ANCHOR SIZE**
  - VTW50 - 90 mm (For insulation board with thickness 2-3-4 cm)
  - VTW100 - 130 mm (For insulation board with thickness 5-6 cm)
  - VTW130 - 130 mm (For insulation board with thickness 7-8 cm)
EXTERNAL THERMAL INSULATION COMPOSITE SYSTEM

Additional Plates for Anchors

Plate diameter of the cap anchor is enlarged through specifically matched additional plates to perfectly fit to the demands of different insulation materials. Recommended for ROCKWOOL applications for a better fixing performance.

PRODUCT TYPE
VTD 90 Additional Plate
VTD 140 Additional Plate

Corner Profiles

PROFILE TYPE
VTAP Aluminium Corner Profile
VTVPVC-F PVC Corner Profile reinforced with mesh (8x12 cm)
VTAAAP Angular Aluminium Profile (135°)
VTPL-F Fillet Polystyrene Corner Profile reinforced with mesh (8x12 cm)
VTVPVC-H Angular PVC Corner Profile reinforced with mesh (30x10 cm)

Reinforcement Mesh

MESH TYPE
VTDF 160 gr/m², an alkali resistant reinforcement mesh with square dimensions of 3.5 x 3.5 mm
VTAF 145 gr/m², an alkali resistant reinforcement mesh with square dimensions of 6 x 6 mm
**VT 700**

Vitra Therm VT 700 is cement based, easy-to-apply, textured final coating. It is resistant to thermal shocks and moisture.

**TECHNICAL CHARACTERISTICS**
- **Application:** Trapezoidal trowel
- **Display:** 25 kg kraft sacks, 48 pcs, 1200 kg on pallet
- **Consumption:** 3.5 kg/m² for 1.5-3 mm thickness
- **Color:** White
- **Mixing ratio:** 6.5-7 l water for 25 kg sacks
- **Pot life:** 3 hours
- **Application temperature:** +5 °C to +35 °C
- **Storage:** 12 months in dry rooms in unopened packaging

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**VT 750 K**

Vitra Therm VT 750 is cement based, easy-to-apply, thick textured final coating. It is resistant to thermal shocks and moisture.

**TECHNICAL CHARACTERISTICS**
- **Application:** Trapezoidal trowel
- **Display:** 25 kg kraft sacks, 48 pcs, 1200 kg on pallet
- **Consumption:** 4.5 kg/m² for 2-3 mm thickness
- **Color:** White
- **Mixing ratio:** 6.5-7 l water for 25 kg sacks
- **Pot life:** 3 hours
- **Application temperature:** +5 °C to +35 °C
- **Storage:** 12 months in dry rooms in unopened packaging

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**JOTASHIELD EXTERIOR PAINTS**

**Jotashield Alkali Resistant Primer**
High quality acrylic, exterior primer with superior adhesion and alkali resistance.

**TECHNICAL CHARACTERISTICS**
- **Consumption:** 0.10 l/m²

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**Jotashield Topcoat Silk**
100% pure acrylic, high quality, UV resistant, environmentally friendly, exterior paint with a smooth finish. Long lasting exterior protection with a low dirt pick-up.

**TECHNICAL CHARACTERISTICS**
- **Consumption:** 0.30 l/m²

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**Jotashield Topcoat Tex Fine**
100% pure acrylic, environmentally friendly, crack bridging flexible exterior paint in a fine texture, semi gloss finish.

**TECHNICAL CHARACTERISTICS**
- **Consumption:** 0.50 l/m²

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**Jotashield Topcoat Tex Ultra**
100% pure acrylic, environmentally friendly exterior paint with excellent UV resistance, superior flexibility – crack bridging up to 1.4 mm with a semi gloss finish in an attractive orange peel texture.

**TECHNICAL CHARACTERISTICS**
- **Consumption:** 0.50 l/m²
Aluminium Starter Profiles

- **PROFILE SIZE**
  - VTS3: For insulation boards with thickness 3 cm
  - VTS4: For insulation boards with thickness 4 cm
  - VTS5: For insulation boards with thickness 5 cm
  - VTS6: For insulation boards with thickness 6 cm
  - VTS7: For insulation boards with thickness 7 cm
  - VTS8: For insulation boards with thickness 8 cm
  - VTMAS: Aluminium starter profile fixing kit

Special Accessories

- **VTDP** Aluminium Nosing Profile
- **VTDP-F** PVC Window Sill Profile
- **VTEDP3** Expansion Joint Profile with Rubber - 3 cm
- **VTEDPS** - Expansion Joint Profile with Rubber - 5 cm
- **VTW5F** PVC Window Edge Profile Reinforced with Mesh
- **VTPT3** Plastic Plug 3 mm (used while fixing aluminium starter profile)
- **VTPT5** Plastic Plug 5 mm (used while fixing aluminium starter profile)
- **VTPT8** Plastic Plug 8 mm (used while fixing aluminium starter profile)
- **VTPT10** Plastic Plug 10 mm (used while fixing aluminium starter profile)
- **VTWDP** Window Sill Profile
- **VTYB** Thermal Insulation Band
# APPLICATION TOOLS

## Notched Trowel
- **Type**: Stainless Steel
- **Dimensions**: 8x8 40
- **Materials**: Soft Handle: 10x10 50

## Notched Trowel
- **Type**: Stainless Steel
- **Dimensions**: 6x6 30
- **Materials**: Wooden Handle: 8x8 50
- **Materials**: Wooden Handle: 10x10 40

## Notched Trowel
- **Type**: Stainless Steel
- **Dimensions**: V Notched 40

## Marble Tile Trowel
- **Type**: Stainless Steel
- **Dimensions**: Soft Handle 50

## Plastic Tile Trowel
- **Type**: Stainless Steel
- **Materials**: Aluminium Handle 30

## Notched Spreader
- **Type**: Stainless Steel
- **Dimensions**: 6x6 17
- **Materials**: Wooden Handle: 8x8 17
- **Materials**: Wooden Handle: 10x10 17
- **Materials**: V Notched 17

## Trapezoidal Trowel
- **Type**: Stainless Steel
- **Dimensions**: Soft Handle 35

## Grouting Trowel
- **Type**: Stainless Steel
- **Materials**: Short 28x14
- **Materials**: Long 11x38

## Sponge Trowel
- **Type**: Stainless Steel
- **Dimensions**: 16x30

## Epoxy Cleaning Pads & Trowel
- **Type**: Stainless Steel
- **Dimensions**: 13x27
- **Materials**: 13x27

## Epoxy Grouting Trowel
- **Type**: Stainless Steel

## Scraper Float
- **Type**: Stainless Steel
- **Dimensions**: 25

## Internal Waterproofing Tape
- **Type**: Stainless Steel
- **Dimensions**: 14

## External Waterproofing Tape
- **Type**: Stainless Steel
- **Dimensions**: 12
## Application Tools

### Waterproofing Textile Membrane
- **Type**: 290 gr
- **Size**: 1 x 30

### Waterproofing Elastomeric Tape
- **Type**: 50 mtl
- **Size**: 12

### Punch
- **Type**: 
- **Size**: (cm)

### Plaster Hod
- **Type**: 35 lt
- **Size**: 65 x 43

### Tiler Tool Set

### Knee Patch

### Plastic Hammer
- **Type**: 700 gr
- **Size**: (cm)

### Thermoplastic Dilatation Tape
- **Type**: 30 mtl
- **Size**: 16
- **Type**: 30 mtl
- **Size**: 24

### Butil Tape
- **Type**: 25 mtl
- **Size**: 12

### Spiked Roller
- **Type**: 
- **Size**: 25

### Spiked Boot

### Tile Spacer (500 pcs)
- **Type**: Perforated (500 Adet)
  - **Size**: 2
- **Type**: Closed (500 Adet)
  - **Size**: 3
- **Type**: Perforated (500 Adet)
  - **Size**: 4
- **Type**: Perforated (500 Adet)
  - **Size**: 5
- **Type**: Perforated (500 Adet)
  - **Size**: 3
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