Royal Group Technologies is an integrated company, where everything from raw materials, tooling, computerized mold-making and manufacturing is done in-house. Royal roofing products are not only superior in appearance, but also in durability. Over the years, our heavy investment into high-tech research and development has led to the creation of our proprietary Roytech Polymer Compound and Dura Technology™ Process. The Dura Slate Roofing System represents yet another crowning achievement from Royal.

The Dura Slate Roofing System exhibits exceptional strength and performance thanks to the Dura Technology™ Process and our proprietary Roytech Polymer Compound. This exclusive formulation is enhanced by our Dura™ Impact Modifier Technology, which forms a highly durable roofing system with superior performance capabilities.

**D U R A   S L A T E**

**ROOFING SYSTEM**

**So Natural, You’d Think It Was Real Slate**

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Fastened with standard 1 1/2” copper,
Installation and architect specification
No special tools required
For 7:12 pitches and steeper, use 7" exposure
For 4:12 to 6:12 pitches, use 6" exposure
Pre-molded hip and ridge caps available

DURABLE - will not dent, split our corrode
Suitable for severe integrity, long last guarantee.
Color-through process never needs re-painting
Distinctive low gloss, textured color or laminated slate textures
Lighter weight than slate or clay tiles
Features installs, guides for exposure settings, real tiles and spacing
Prefinished ridge cap tiles
Will not conduct electricity
50-year limited warranty

FEATURES
Manufactured with our proprietary Ritech Polymer Compound

PRODUCT TESTING information
Fire Rating and Impact Resistance
UL & ULC (Underwriters Laboratories Canada) listed for proposed roof cavity with ASTM E119 Standard one-hour fire test with a fire exposure of 60,000 Btu/sq. ft. and 75 mph winds.

Ultra Violet (U.V.) Exposure Testing
Time was exposed to an accelerated U.V. test (Zenon arc chamber) for 4000 hrs. At 2400 hrs. the material endured single layer fade of the sample finish with no signs of cracking, spalling or deformation.

Wind Driven Rain Testing
In accordance with the requirements of ASTM215 Standard (minimum -1000 Pascals per hour). The test results show no water did not penetrate the system to a complete penetration of 25000 Pascals (Testing System Limitation). These results are equivalent to 150 mph or 240 km/hr.

Wind Driven Rain Testing
In accordance with ASTM 1175 and all provisions related to dynamic wind uplift testing, the Dura Slate tiles passed at a wind velocity of 110 mph or 177 km/hr. (Testing System Limitation) per 504 G815-95A.

Freeze/Thaw Cycles
In accordance with ASTM C666 Method A, the tiles are subjected to 329 freeze/thaw cycles. The cycles created no damage such as cracking, spalling, deformation or visible expansion. The Royal Building Products Dura Slate tile displayed a very good resistance to freeze/thaw damage.

Wind Uplift
In accordance with ASTM D3161 and all provisions set forth for dynamic wind uplift testing, the Dura Slate tiles passed at a wind velocity of 110 mph or 177 km/hr (Testing System Limitation) per 504 G815-95A.

Nail Pull-Through Testing
In accordance with ASTM D1037 and all provisions set forth for dynamic wind uplift testing, the Dura Slate tiles passed at a wind velocity of 110 mph or 177 km/hr (Testing System Limitation). The tensile force required to pull a single nail through a roofing tile.

Nail Tear Strength Testing
The tensile force required to pull a single nail through a roofing tile.

Water Absorption Testing
The water absorption is tested in accordance with ASTM C666 Method A, the tiles are subjected to 329 freeze/thaw cycles. The cycles created no damage such as cracking, spalling, deformation or visible expansion. The Royal Building Products Dura Slate tile displayed a very good resistance to freeze/thaw damage.

Heat Cycle Testing
The tiles were subjected to twenty periods of 24-hour cycles consisting of 16 hours at a controlled elevation of a high temperature followed by 8 hours at a low temperature. The results showed no signs of cracking, spalling, deformation or visible expansion.

Water Vapor Testing
In accordance with the requirements of ASTM E 96-95 (water vapour transmission of construction materials), the test results have shown the tile to be impermeable.

Water Uplift Testing
In accordance with the requirements of ASTM E 96-95 (water vapour transmission of construction materials), the test results have shown the tile to be impermeable.

Rainfall Testing
In accordance with the requirements of ASTM E 96-95 (water vapour transmission of construction materials), the test results have shown the tile to be impermeable.

Wind-Driven Rain Testing
In accordance with the requirements of ASTM E 96-95 (water vapour transmission of construction materials), the test results have shown the tile to be impermeable.

Water Uplift Testing
In accordance with the requirements of ASTM E 96-95 (water vapour transmission of construction materials), the test results have shown the tile to be impermeable.

Water Absorption Testing
The water absorption is tested in accordance with ASTM C666 Method A, the tiles are subjected to 329 freeze/thaw cycles. The cycles created no damage such as cracking, spalling, deformation or visible expansion. The Royal Building Products Dura Slate tile displayed a very good resistance to freeze/thaw damage.

Water Uplift Testing
In accordance with the requirements of ASTM E 96-95 (water vapour transmission of construction materials), the test results have shown the tile to be impermeable.

Water Absorption Testing
The water absorption is tested in accordance with ASTM C666 Method A, the tiles are subjected to 329 freeze/thaw cycles. The cycles created no damage such as cracking, spalling, deformation or visible expansion. The Royal Building Products Dura Slate tile displayed a very good resistance to freeze/thaw damage.

Water Uplift Testing
In accordance with the requirements of ASTM E 96-95 (water vapour transmission of construction materials), the test results have shown the tile to be impermeable.

Water Absorption Testing
The water absorption is tested in accordance with ASTM C666 Method A, the tiles are subjected to 329 freeze/thaw cycles. The cycles created no damage such as cracking, spalling, deformation or visible expansion. The Royal Building Products Dura Slate tile displayed a very good resistance to freeze/thaw damage.

Water Uplift Testing
In accordance with the requirements of ASTM E 96-95 (water vapour transmission of construction materials), the test results have shown the tile to be impermeable.

Water Absorption Testing
The water absorption is tested in accordance with ASTM C666 Method A, the tiles are subjected to 329 freeze/thaw cycles. The cycles created no damage such as cracking, spalling, deformation or visible expansion. The Royal Building Products Dura Slate tile displayed a very good resistance to freeze/thaw damage.

Water Uplift Testing
In accordance with the requirements of ASTM E 96-95 (water vapour transmission of construction materials), the test results have shown the tile to be impermeable.

Water Absorption Testing
The water absorption is tested in accordance with ASTM C666 Method A, the tiles are subjected to 329 freeze/thaw cycles. The cycles created no damage such as cracking, spalling, deformation or visible expansion. The Royal Building Products Dura Slate tile displayed a very good resistance to freeze/thaw damage.

Water Uplift Testing
In accordance with the requirements of ASTM E 96-95 (water vapour transmission of construction materials), the test results have shown the tile to be impermeable.