



AIWIN ACRYLIC ROOF COATING



Description:

AIWIN ACRYLIC ROOF COATING high performance cold applied high elastomeric waterproofing, water base acrylic based on the selective grade of polymer, that curing into a tough, elastic waterproofing membrane . it is unaffected by heat and cold conditions. It conforms to highest international standards.

Uses:

AIWIN ACRYLIC ROOF COATING waterproofing system can be applied on the desired surface like brick, concrete tiles, concrete surface, plywood, slated and polyurethane foam surface, can be used with or without reinforcement.

AIWIN ACRYLIC ROOF COATING can apply on the roof, exterior wall, etc.

Application:

Roof and other surfaces must be thoroughly clean, dry and free from contaminates. Apply by a soft bristle brush roller, or spray. Minimum two coats are recommended for satisfactory performance. Recoating interval is 8 hours. All expansion joints and corners should be reinforced with glass reinforcing mat . Final curing time is 48 hours

Mixing:

For the first coat, **AIWIN ACRYLIC COATING** may dilute (10 to 20% water). Greater dilution may lead to weaker bonding with substrate for the second coat no dilution is required.

The second coat must be applied perpendicular to the first coat to achieve complete waterproofing lighten.

Coverage:

AIWIN ACRYLIC ROOF COATING may be applied by a soft brush, roller or spray gun. At the end of the second coat, with total thickness 500 micron.

Each coat must be applied perpendicular to the first coat.

Application at the rate of 1m² per liter gives dry ~1m² thickness of 600-640 microns.

Storage:

One year in closed containers stored above 5°C below 40°C. Protect from sunlight and frost.

Cleaning:

Clean with water when wet and with a proprietary hard cleaner when dry.

Packing:

Available in 5 kg , 20Kg drums.

Health & Safety:

The product is non-toxic, nonflammable and doesn't present any health hazards.



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TECHNICAL SPECIFICATIONS

| CHARACTERISTICS | STANDARD | VALUES |
|-------------------------------------|---------------------------------------|------------------------|
| DENSITY KG/L | 1.25 – 1.35 | ASTM D 1475 |
| SOLID CONTENTS % | 60 ± 5 | ASTM D 1353/ASTM D1259 |
| VISCOSITY, CP @ 25°C | 40000 - 60000 | ASTM D2196 |
| COLORS | WHITE | |
| PH | 7.5 – 8.5 | ASTM E70 |
| CURING TIME, @25°C | 8 HR, TOUCH DRY 24-48 HR FULL CURE | |
| APPLICATION TEMPERATURE, °C | +5 MINIMUM | |
| UV RESISTANCE, QUV | 2000 HR, NO SERIOUS DETERIORATION | ASTM D822 |
| TENSILE STRENGTH, n/cm ² | 340-480 n/cm ² | ASTM D412 |
| ELONGATION @ BREAK, % | 340 - 440 | ASTM D412 |
| HARDNESS, SHORE A | 60-70 | ASTM D2240 |
| FLEXIBILITY | NO CRACKING AFTER 1000 HR | ASTM D522 |
| SURFACE TEMPERATURE °C | -5 TO 100 | |
| PERMEABILITY | PASS | ASTM E96 |

This technical data complement to ASTM and EN standards

This product data sheet supersedes all previous data publication pertaining to this product

All values given refer to standard production within the usual factory tolerance

Aiwin reserve the right to change said values without advance notice but without affecting the quality of the product



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