



VERTICOAT

Heavy Duty Reinforced Acrylic Waterproof Coating For Exterior Surface

- High Film Thickness & Crack Bridging Provides superior waterproofing, resists structural movement, and covers hairline cracks (upto 0.5 mm).
- Durable & Flexible - Tough, elastic film withstands wind-driven rain and thermal expansion/contraction without damage.
- Long-Lasting & UV Resistant - Maintains aesthetics with resistance to sunlight, dirt pickup, fungus, and algae; easy to clean.
- Breathable & Safe - Water vapour permeable, very low VOC, non-toxic, non-sagging, and safe for interiors.
- Ready to Use - No dilution required, ensuring correct film thickness and consistent performance.
- Easy Application - User-friendly; can be applied with brush, roller, or spray for even coverage.



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Heavy duty reinforced acrylic waterproof coating for exterior surface

POWERFIX

For those who needs strength...

DESCRIPTION

VERTICOAT is composed of high quality acrylic emulsion polymer, light fast & weather durable pigments, properly selected & graded fine fillers, many additives & water as a medium. It is used as a waterproofing & protective coating for exterior walls of the buildings because it forms higher film thickness, has excellent flexibility, breathing properties, water resistance, crack-bridging ability, weathering durability and an excellent resistance to the growth of microorganisms.



COVERAGE

1.5 to 2 m²/per KG/Coat

PACKING STYLE

1 KG, 5 KG & 20 KG

PRODUCT INFORMATION

Chemical Base: Acrylic co-polymer with special additives

Appearance / Colour: Liquid Emulsion Available in white bases

Density: ~ 1.35 kg/L (at +27°C)

pH-Value: < 9

Solid content by weight: ≥ 80 %

Volatile organic compound (VOC) content: < 10 g/L

AREAS OF APPLICATION

- All types of exterior masonry surfaces, concrete, cement s and renderings, etc.
- concrete or masonry surfaces exposed to saline environment
- Applicable on asbestos sheets
- Interior / exterior plaster surface.



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TECHNICAL SPECIFICATIONS

Elongation at Break:	≥ 100%	(ASTM D 2370)
Crack Bridging Ability:	3.2 mm	(ASTM C 1305)
Tensile Adhesion Strength:	≥ 1.5 N/mm ² (On concrete)	(EN 1542)
Permeability to Water Vapour	~ 25 g/m ² /day	(ASTM E 96)
Water Absorption	< 10 %	(ASTM D 570)

LAYER THICKNESS

DFT in one coat including primer	60-70 microns
DFT in two coats including primer	110-115 microns Minimum two coats recommended for optimum performance, applied by paint roller.
Ambient Air Temperature	+8°C min. / +45°C max.
Substrate Temperature	+10°C min. / +45°C max.

* BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests.
Actual measured data may vary due to circumstances beyond our control.

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METHOD OF APPLICATION

- All new cement-sand renderings /concrete surfaces should be allowed to age 6 to 8 weeks before surface coating.
- Surface for treatment must be thoroughly cleaned of all laitance, loose material, oil, grease, etc. by mechanical means such as wire brushing & shot blasting.
- Finally vacuum cleaning of all loose solids and liquids can be done, if required.
- All surface cracks up to 5 mm width should be filled up with Crack filler. Cracks more than 5 mm and all separation gaps should be filled up with POWERFIX ESSCRETE CRP, modified mortar or as specified.
- Use VERTICOAT from the container. Stir contents well before use.
- Apply two neat coats of VERTICOAT without dilution by brush or roller at a time interval of 5-6 hours.
- For enhanced protection, apply additional coat of VERTICOAT on rain lashing walls, chajjas and parapet walls.
- Allow the coated surface to air cure fully for 7 days.

PRECAUTIONS & LIMITATIONS

- Do not dilute VERTICOAT.
- Do not apply when ambient temperature is below 10°C or above 45°C.
- Do not apply in direct sunlight or during rains.
- Adhesion property may get affected over poor quality putty and very smooth surfaces.

HEALTH & SAFETY PRECAUTIONS

- **Skin Contact:** Wash skin with soap & water. Remove contaminated clothes.
- **On eye contact:** Immediately splash eyes with plenty of water. Consult Physician if irritation persists.
- **Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a Physician.

STORAGE CONDITIONS:

- Store in undamaged and unopened, original sealed packaging, in dry conditions and protected from direct sunlight. Protect from frost.

SHELF LIFE

- 12 months from the date of manufacturing in unopened condition.

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