// COATINGS · CEMENTITIOUS WATERPROOFING

TERACOO Weather Coat GP

Two-component acrylic-modified cementitious waterproofing coating

DOCUMENT	REVISION	ISSUE DATE	SUPPLIED BY
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Description

TERACOO Weather Coat GP is a two-component, acrylic-modified cementitious waterproofing system supplied as liquid polymer and powder. Mixed on site, it forms a flexible, breathable coating that waterproofs and resurfaces concrete and masonry. It is a brushable waterproofing slurry certified to EN 1504-2 as a coating for surface protection of concrete, and CE marked.

It protects against carbonation and chloride ingress, bonds to porous and non-porous substrates, and can be applied to concrete from 24 hours old for early protection.

Typical uses

- Top roofs and exposed concrete decks
- Basement retaining walls, rafts and foundations
- Overhead and underground water tanks
- Swimming pools under tiles
- Bathrooms, kitchens and sunken wet areas
- Sea-water channels and brackish-water environments
- Tie-bar hole sealing and detail waterproofing
- Backing coat behind marble and granite to prevent staining

Features & benefits

- Certified to EN 1504-2 and CE marked (certificate 2032-CPR-1011)
- Protects against carbonation and water-borne salts
- Strong adhesion to porous and non-porous surfaces
- Flexible, so it accommodates thermal movement in concrete
- Non-toxic: suitable for water tanks
- Breathable: repels water while letting the substrate breathe
- Resists abrasion and weathering, and takes light pedestrian traffic after cure

Product data

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
System	—	—	Two-component (liquid polymer + powder)
Colour (mixed)	—	—	Grey
Mix ratio (by weight)	—	—	1 part liquid : 2 parts powder
Pot life	—	min	60 (use each batch within 1 hour)
Consumption	—	kg/m² per mm	1.5 – 2.0
Number of coats	—	—	2, at right angles
Drying time (normal conditions)	—	h	≈ 3
Recoating time (minimum)	—	h	6
Minimum concrete age	—	h	24

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Substrate pull-off strength required	ASTM D4541	psi (MPa)	> 145 (≈ 1.0)
Wet-cure period	—	days	≥ 3
Application method	—	—	Stiff brush, roller or spray

Application guidance

- Substrate: clean and free of laitance, oil, grease and curing compounds. Concrete pull-off strength must exceed 145 psi.
- Prepare by high-pressure washing or grit blasting. Fill blow holes and cracks with approved repair mortar. Prime very porous surfaces such as aerated concrete before coating.
- Pre-wet to a saturated surface-dry (SSD) condition with no standing water.
- Add the powder gradually to the liquid under continuous stirring, 1 : 2 by weight, using a low-speed mixer (max 500 rpm) until uniform and lump-free.
- Leave the mix to sit for about 5 minutes (slake), then remix.
- Apply the first coat with a stiff brush, roller or spray. Apply the second coat at right angles once the first has cured, after a minimum 6 hours.
- Use each mixed batch within one hour. Do not re-temper with water.
- Cure under polythene sheeting for at least 3 days to retain moisture and complete cement hydration.

Limitations

- Movement accommodation is lower than elastomeric membranes. Treat moving joints with a sealant joint.
- Do not apply in direct hot sun or on frozen surfaces. Shade the work area.

Packaging & supply

- Supplied as a two-component kit: liquid polymer and grey powder

Storage & shelf life

- Store in original sealed packaging in a dry, frost-free place away from direct sunlight.
- Shelf life: 12 months from date of production.

Health & safety

- Refer to the product Safety Data Sheet (SDS) before use.
- Wear gloves, safety glasses and appropriate work clothing during handling and application.
- Dispose of offcuts, packaging and residues in accordance with local regulations.
- The product contains cement and reacts with water to form an alkaline solution. It is classified as an irritant. Avoid skin and eye contact and rinse immediately with clean water.

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