



SikaTop[®] Seal 107

Waterproofing/Damp-Proofing Coating

Technical Data Sheet

DESCRIPTION

SikaTop Seal 107 is a two component polymer modified cementitious waterproof mortar comprising of a liquid polymer and a special cement based mix incorporating admixtures.

USES

- * For interior and exterior waterproofing and damp-proofing concrete, renderings, brickwork and blockwork.
- * For protection of concrete structures against the effects of de icing salts and freeze-thaw.
- * For rigid waterproofing of water tanks, pools, etc.
- * For exterior waterproofing of basement walls in new buildings.
- * Pore/blowhole filling.
- * For waterproofing basement and cellar walls not subject to severe water pressure.
- * For sealing fine "hairline" cracks in concrete structures not subject to movement.
- * Levelling mortar for concrete repair works.

ADVANTAGES

- * Easy to apply by brush or in thin trowel applications.
- * No water required.
- * Pre-measured components.
- * Hand and spray applied.
- * Easy and fast mixing.
- * Excellent adhesion.
- * Protects against concrete carbonation.
- * Protects against water penetration.
- * Suitable for contact with drinking water.
- * Non-corrosive to steel or iron.
- * Overpaintable.
- * BBA approved.

Technical Data (typical)

Mixed colour: Cement grey or white
(Component A: white liquid)
(Component B: grey powder)
(Component C: white powder)

Mixed wet density: 2.0 kg/litre

Application temperature: +8°C min, +35°C max
(Substrate and ambient)

Application thickness per layer: 0.75 mm minimum
1.5 mm maximum
2 coats minimum

MECHANICAL PROPERTIES

28 days @ 20°C RH 55%

3 days 28 days

Compressive strength: 20.0 N/mm² 35 N/mm²

Flexural strength: 6.0 N/mm² 10 N/mm²

Tensile strength: 3.2 N/mm² (water)
(14 days exposure) 4.5 N/mm² (air)

Bond strength: (tensile) 2.0 - 3.0 N/mm²
(Failure in prepared substrate)

E-Modulus (static): 8.4 kN/mm²
(dynamic): 19 kN/mm²

Water vapour resistance: 3.0 MNsg⁻¹ (67 gm/m²/day)

Water penetration: 2 mm = 20 mm of
mortar/concrete

Carbonation resistance: 2 mm = 20 cm of
mortar/concrete

'Working time': 30 minutes
(@20°C)

Approved for potable water contact.
Details and return to service information available on request.

All above values are approximate.

