



# SikaTop<sup>®</sup> 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/mm<sup>2</sup>    35 N/mm<sup>2</sup>

**Flexural strength:** 6.0 N/mm<sup>2</sup>    10 N/mm<sup>2</sup>

**Tensile strength:** 3.2 N/mm<sup>2</sup> (water)  
(14 days exposure) 4.5 N/mm<sup>2</sup> (air)

**Bond strength: (tensile)** 2.0 - 3.0 N/mm<sup>2</sup>  
(Failure in prepared substrate)

**E-Modulus (static):** 8.4 kN/mm<sup>2</sup>  
**(dynamic):** 19 kN/mm<sup>2</sup>

**Water vapour resistance:** 3.0 MNsg<sup>-1</sup> (67 gm/m<sup>2</sup>/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.

