

**SWELLMASTIC - SWELLING ADHESIVE MASTIC**
**Description**

MacLennan SwellMastic is a high-quality, firm, fast-curing, swellable, single-component, polymeric adhesive sealant. The special composition of MacLennan SwellMastic makes the sealant start to swell when in contact with water (to about 350% of original size).

The sealant has high elasticity and high adherence and it develops a strong adhesive tensile strength immediately after application. The first swelling is time delayed which allows MacLennan SwellMastic to be applied to slightly damp surfaces.

MacLennan SwellMastic is suitable for bonding hydrophilic waterbars to concrete, plastics, ceramics and steel as well as being a sealant for service protrusions through the structure.

**Typical applications**

- Detailing product for MacLennan prebond
- As a swelling adhesive for the installation of hydrophilic waterbars
- Sealing of service protrusions through the structure

**Key Benefits**

- Very high resistance to water pressure
- Delayed swelling - will not swell during the installation process or during the concrete cure
- Swells up to 1.5 times its original size to quickly seal leaks at joints in the structure
- Very resistance to the high alkalinity of concrete
- Maintains very high elasticity and tensile strength, even when swollen
- Age resistant, no embrittlement

**Packaging**

- Cartridges of 310 ml
- 24 cartridges per box

**Coverage**

5.5 - 8.5 l/m per cartridge, should be applied in a bead of between 6mm and 10mm.

**TECHNICAL DATA**

Features	Result
Material	Hydrophilic paste
Colour	Grey
Specific gravity	1.3
Tack free time (hours at 23°C and 60% RH)	< 8
Cured performance	Result
Tensile strength (MPa)	5.8
Elasticity	Up to 11 x initial size
Swelling capability	Up to 3.5 times original size
Watertightness (bar)	1.0
Installation temperature (°C)	5 to 40
Service temperature (°C)	-40°C to 100°C

The above data, even if carried out according to regulated tests are indicative and they may change when specific site conditions vary.