

▶ Description

TamSeal SM is a one component hydro reactive expansion sealant for waterproofing joints in concrete. It is applied using a skeleton gun.

TamSeal SM expands up to 100% when in contact with fresh water to create a durable waterstop with long-lasting adhesive and hydro-swelling properties. When in contact with sea water, TamSeal SM expands between 50 - 70%.

TamSeal SM has excellent adhesive properties on different surfaces such as concrete, steel, glass, PVC, HDPE etc. The surface can be rough, smooth, damp or dry.



▶ Key Benefits

- Single component, direct application.
- A problem solving hydrophilic in difficult access areas
- Fast curing, enables early concrete pour and rapid return to service.
- Excellent seal on rough concrete and plugs up irregular surfaces
- Durable – excellent wet/dry cycle, retains elastic character and swelling performance.

▶ Typical Applications

- Construction joints
- Pipe penetrations (concrete, PVC, etc)
- Waterproofing of joints between pre-cast concrete elements (e.g. inspection manholes, box culverts, sewer systems etc.).

- Waterproofing of H-beam penetration through floor slabs.
- Adhesion of TamSeal R, BR and BBR on an irregular surface.
- Sealing around conventional PVC waterstop providing a belt seal prior to concrete pour.

▶ Technical Data

TamSeal SM	
Appearance	Grey
Form	Elastic paste
Specific gravity	1.2
Solids (min.)	98%
Application limits (°C)	20 - 70
Tack-free time	1 hour
Approx. dry time	10 hours
Shore A Hardness	25
Tear resistance	1.96N/mm ²
Set time (3mm thickness)	24 hours
Expansion volume (%)	
Water	100
Sea water	50 - 70
Concrete pour	Allow 4 to 8 hours

All technical data stated herein is based on tests carried out under laboratory conditions.

▶ Application Guidelines

TamSeal SM should not be used for expansion joint or for joints subjected to significant repetitive movement.

TamSeal SM should be positioned to ensure that there is a minimum of 70mm concrete cover to accommodate swelling process developed by pressure.

TamSeal SM will establish a firm bond to concrete. However, as with any hydrophilic waterstop, care should be taken during concreting directly onto the seal.

TamSeal SM

Swelling Hydrophilic Mastic



▶ Storage

TamSeal SM should be stored at room temperature (min 10°C and max 38°C), kept dry and off the ground. If these conditions are maintained and the product packaging is unopened, then a shelf life of 1 year can be expected.

▶ Health & Safety

TamSeal SM should only be used as directed. We always recommend that the Health & Safety data sheet is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Health & Safety data sheet is available upon request from your local TAM International representative.

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