

Swelling Hydrophilic Mastic

## 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
- > 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	1.96 MPa
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 50 mm 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.

## STORAGE

TamSeal SM should be stored at room temperature (min 10°C and max 38°C at 50%RH), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of six months can be expected.

## HEALTH & SAFETY

TamSeal SM should only be used as directed. We always recommend that the Safety Data Sheet (SDS) is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Safety Data Sheet is available upon request from your local Normet representative.

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.