



SPECTON CONSTRUCTION PRODUCTS LTD.



HYDRO-SEAL SEALMASTER SINGLE COMPONENT GUN GRADE HYDROPHILIC SEALANT AND ADHESIVE TECHNICAL DATA

HYDRO-SEAL SEALMASTER

Hydro-Seal SEALMASTER is a high performance gun grade hydrophilic elastomer sealant that has the capability to swell to more than 200% its original size when it comes in contact with water. SEALMASTER's hydrophilic expansive properties compensate for concrete shrinkage and thermal movement in construction joints. SEALMASTER is used to create an impenetrable waterstop in concrete construction joints. In addition to having excellent adhesion to a variety of substrates such as metal, rock and concrete, SEALMASTER is an excellent adhesive for bonding Hydro-Seal hydrophilic rubber strips. On its own, SEALMASTER is a versatile waterstop for difficult access areas, solving construction problems or for rough uneven concrete and rock surfaces where preformed PVC type waterstop installations are not practical.

RECOMMENDED FOR

Sealing concrete construction joints in:

- Parking Garages
- Processing Plants
- Industrial, Commercial and Residential Poured Concrete Foundations
- Water Reservoirs
- Cast-in-Place and Segmental Tunnels
- Sewage Treatment Plants
- Hydro and Water Retention Dams
- Precast Box Culverts and Utility Chambers
- Swimming Pools
- Pipe Penetrations
- Sheet Pile Joints
- Adhesive for Hydro-Seal Hydrophilic Rubber Strips

FEATURES / BENEFITS

Active Protection –

SEALMASTER swells more than 200% its original size to form an effective and chemically resistant compression seal.

Fast, Simple and Easy Installation –

SEALMASTER is packaged in conventional caulking cartridges for ease of application in a variety of construction conditions.

Stable –

SEALMASTER retains its original swelling properties after repeated expansion and contraction.

Chemically Resistant –

SEALMASTER is manufactured from chemically resistant ingredients and is resistant to micro-bacterial attack.

Advanced Design –

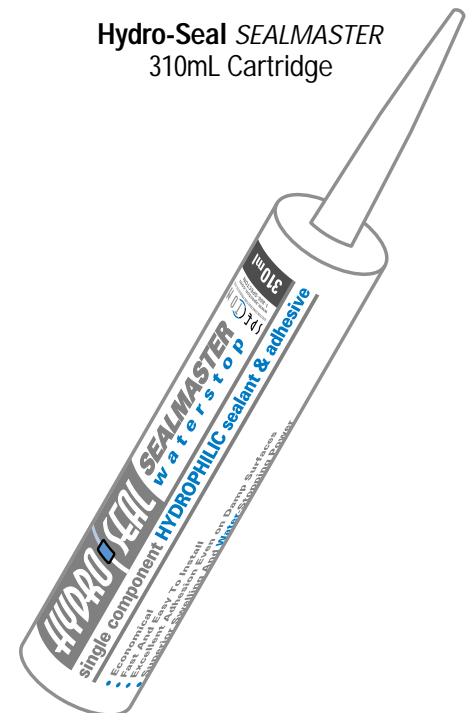
SEALMASTER is specially formulated to ensure a slow expansion rate, so as not to damage fresh concrete during curing.

PHYSICAL AND PERFORMANCE CHARACTERISTICS

HYDRO-SEAL SEALMASTER – High Performance Hydrophilic Waterstop

Form	Elastomeric Swellable Mastic	
Colour	Gray	
Packaging	310mL Cartridges	25 Cartridges per Box
Tack Free Time	1 – 2 Hours @ 23°C	
Elongation	ASTM-D412	>500%
Volumetric Expansion Rate	>200%	
Shore A Hardness	35	
Service Temperature Range	-20°C to 50°C	

Hydro-Seal SEALMASTER
310mL Cartridge





HYDRO-SEAL SEALMASTER SINGLE COMPONENT GUN GRADE HYDROPHILIC SEALANT AND ADHESIVE

INSTALLATION INFORMATION

The joint surface must be clean and dry. SEALMASTER can be applied to damp surfaces, however running and standing water should be removed prior to application. Loose material, dirt and dust should be removed by wire brushing.

Cut off the tip on the cartridge thread and screw on the nozzle. Cut the nozzle to required size and apply like a conventional sealant continuously onto the substrate, ensuring that there are no breaks in the bead. The sealant bead should be not less than 15mm for concrete sections with a thickness of between 100 and 300mm, and a minimum of 20mm for sections of between 300 and 500mm.

Note: The minimum thickness of concrete around SEALMASTER should be at least 50mm on each side and at least 100mm from the top.

Allow SEALMASTER to cure for a minimum 8 hours before concrete pours. During casting, avoid dropping concrete onto the profile from a level higher than 500mm. If this condition is unavoidable, protect the profile with a 100mm thick layer of fresh concrete or mortar.

SEALMASTER is suitable for use in most weather conditions, but heavy rain or prolonged immersion will cause premature swelling. Should this occur, it will be necessary to allow it to dry out, or be dried with a hot air gun before concrete pouring takes place.

STORAGE

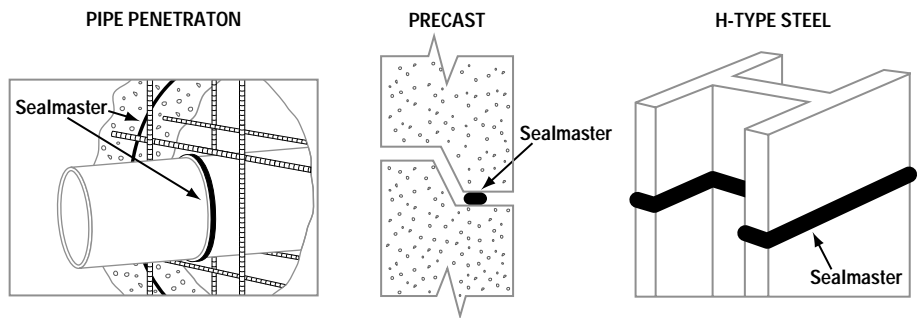
SEALMASTER should be stored in a cool and dry place.

APPLICATION

Contact a Specton Technical Representative for specific installation methods for your project.

COVERAGE

Bead Diameter	Coverage per Tube
3mm	20 – 25 metres
6mm	8 – 10 metres
8mm	4 – 5 metres
10mm	approx. 3 metres



SAFETY PRECAUTIONS

- Install materials in a well ventilated area.
- Keep away from open flame.
- Familiarize yourself with the MSDS and follow safety precautions indicated.
- Wear conventional construction safety equipment during installation.
- Read the information printed on the caulking cartridge.

All recommendations, data and statements contained within this document are based on tests we believe to be correct, but are not to be construed as a warranty either expressed or implied. The user shall rely on his or her own tests and information to determine the suitability of the product for the application and assumes all risk and liability resulting from his or her use of the product. The seller's and manufacturer's sole responsibility shall be to replace that portion of product that is proven to be defective. Neither the seller nor the manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from the use or inability to use the product.

PLEASE CONTACT US FOR ADVICE AND PRODUCT INFORMATION

Specton Technical Representatives are available to assist you with specific guidelines for your project and product requirements. We can be reached at:

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