

SPETEC WT400

WT400 IS AN MDI BASED HYDROPHILIC CAULK DESIGNED TO SWELL AND/OR EXPAND IN THE PRESENCE OF WATER CREATING A WATER TIGHT SEAL.



DESCRIPTION

SPETEC WT400 is a caulk designed to swell and/or expand in the presence of water creating a water tight seal around pipe penetrations, cold joints and other waterstop locations.

ADVANTAGES

- One-component.
- MDI based.
- High elongation.
- No volatile solvents.
- Seals rough concrete.
- High expansion.
- Can be applied underwater
- Non-sag paste.
- Great adhesion to most surfaces.
- Safe for marine environments.
- Good chemical resistance.

FIELD OF APPLICATION

- Waterstop.
- Tunnel segment joints.
- Pipe penetrations.
- Poured wall joints.
- Cold joints.
- Sheet pile joints
- Manhole joints.
- Pre-cast segments.
- NOT for surface applied applications.

APPLICATION

Note: the following are a few typical application descriptions. In case of other jobsite parameters, please contact our technical department.

PRELIMINARY ANALYSES

Consult with design professionals to identify waterstop engineered design. Clearly notate performance requirements of PVC, injection tube, or polymer waterstop consideration. Many projects incorporate several systems in a single waterstop design.

PREPARATION OF THE SUBSTRATE

The Alchemy-Spetec WT400 must be applied on a dust-free concrete or metal surface. Use at temperatures between 40°F and 85°F (+5°C and 30°C). Surface can be rough, smooth, wet or dry.

PREPARATION OF THE PRODUCT

For the 10.5oz (310ml) cartridges:

- Break the aluminum foil at the nozzle.

- Remove the seamer of the bottom.
- Cut the nozzle diagonally at the appropriate position.
- Place the cartridge in the gun and press the lever.

For the 20.3oz. (600ml) cartridges:

- Put the sausage in the empty tube of the caulking gun.
- Cut 3/8" (10mm) off the top of the sausage.
- Close the tube and install the nozzle.

APPLICATION

- Concrete coverage should be minimum of 3" on both sides of pipe penetration
- Concrete coverage should be minimum of 3" on both sides of concrete cold joint
- Cut the nozzle diagonally at the appropriate position. Alchemy-Spetec WT400 is applied with a caulking gun in an interrupted band (minimum 3/8" (10mm) wide and high), in the middle of the joint or prefab element. Concrete cover should be at least 3" (7 cm) on both sides, in order to avoid cracks from the expansion pressure if swelling Alchemy-Spetec Spetec WT400.

REQUIRED TOOLS

Sausage / Bulk Load Tool.

COMPLIMENTARY PRODUCTS

SST500, ITS Systems.

ADVICE / FOCAL POINTS

Should cure for 24 hours before concrete pouring Do note pour concrete directly on applied product

TECHNICAL DATA

APPEARANCE

Physical Properties - Uncured Material

| | |
|--------------|---------|
| Spetec WT400 | |
| Viscosity | Paste |
| Density | 1.37 |
| Slump | None |
| Flash Point | >266°F |
| Flash Point | 120 min |

Physical Properties - Cured Material

| | |
|----------------------|----------|
| Spetec WT400 | |
| Elongation at break | >800% |
| Tensile Strength | NA |
| Swelling | 450% |
| Hydrostatic Pressure | 72.5 psi |

Activation Times

| | | |
|---------------------|-----|-------------|
| Skin formation Cure | (*) | 120 minutes |
| Final Cure | (*) | 24 hours |

CONSUMPTION

One 10.5oz. (310ml) sausage will cover 12-15' of 3/8" x 3/8" profile bead.

PACKAGING

Spetec WT400 is supplied in 20 ounces - 12 sausages per case.

STORAGE AND SHELF LIFE

Stored at 68°F in the original unopened containers, shelf life is at least 12 months. Once opened, containers should be used as soon as possible.

SAFETY PRECAUTIONS

Avoid contact with eyes and skin, always use personal protective equipment in compliance with local regulations. Read the relevant Safety Data Sheet before use. Safety Data Sheets are available on www.alchemy-spetec.com

When in doubt contact Alchemy-Spetec Technical Service.

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. READ MATERIAL SAFETY DATASHEET PRIOR TO EVERY USE.