

Techno Seal

Hand applied polymer modified bitumen sealant

Uses

Sealing movement joints in building and civil engineering structures, including superstructures, reservoirs, floors, basements and subways.

Advantages

- A high quality BSI product, meeting key, international standards
- Forms a tough, elastic, rubber-like seal
- Accommodates continuous and pronounced cyclic movement
- Excellent adhesion to most common substrates
- High resistance to ageing reduces physical damage due to climatic extremes
- Suitable for joints up to 40 mm wide.
- Easy applied by hand.

Standards compliance

British Standard BS 6920:1988

Description

Techno Seal is thermoplastic polymer modified bitumen based putty requires heating to make it workable. On cooling it gives a slump free, flexible seal. It is suitable for sealing joints, including low movement expansion joints, in retaining walls, basements etc.

Design criteria

Techno Seal may be applied to joints between 20 and 40 mm wide.

Instructions for use

Joint preparation

The joint surfaces must be thoroughly dry. Clean and frost free. Remove all dust and laitance by rigorous wire brushing. Grinding or grit blasting. Remove all Rust, scale and protective lacquers from metal surfaces. Remove any oil or grease

Any expansion joint filler must be checked to ensure it is tightly packed and no gaps or voids exist at the base of the sealing slot before positioning a bond breaker.

Note: The use of a bond breaker is not required in expansion

Joints containing

Polyethylene expansion joint fillers. For construction or contraction joints a bond breaker tape or back-up strip should be used Where hydrostatic pressure exists, only bond breaking tapes must be used not foamed back-up strips

Modern Technologies for Construction Chemicals

Factory: Wadi Elnatroun - First Industrial Area.

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Porous surfaces

Techno Prime 7 It is a one part chemically active clear liquid for brush application to Prime all concrete, stone, brickwork, timber and unglazed edges of ceramic tiles with Techno primer 7, a one part chemically active clear liquid . Apply one thin coat using a clean, dry brush, ensuring complete coverage. Avoid over priming resulting in an excess of primer in the base of the joint or application beyond faces. The mixed Techno Seal 600 must be applied when the primer is tack free, that is after the evaporation of the solvent but before the primer film has completely reacted.

After 3 hours @ 20°C, or 90 minutes @ 35°C the surfaces must be re-primed before applying the sealant.

Steel surfaces

Iron and steel must be protected with an anti-corrosion primer prior to sealing.

Mixing

The base component and curing agent are supplied ready for mixing in a single tin. Mix thoroughly using a slow speed drill for 5 minutes. Only thorough mixing, including material right at the bottom of the tin will result in proper curing In cold weather Techno Seal 600 mixes more easily if stored overnight at room Temperature . Immediately after mixing, load the sealant into and apply to the joint

Properties

Density	1.79 Kg/liter
Flash point	Over 65°C
Flammability	Burns but does not readily

Chemical resistance to

Occasional spillage	:
Dilute acids	resistant
Dilute alkalis	resistant
Petrol	non resistant
Lubricating oils	non resistant

Cleaning

Clean equipment immediately after use with Techno Solvent 102 Maintenance

No special requirements, any damage identified during normal building inspections should be repaired or replaced us appropriate

Limitations

- Over-painting of sealants is not recommended because of the inability of paint films to accept movement However, if definitely required, trials should be earned out to determine compatibility
- Techno Seal 600 should not be used in direct contact with materials containing pitch or bitumen

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Estimating

Supply

Techno Seal 600 : 4.5 liter packs.

Techno solvent : 4 liter packs.

Storage

Techno Seal 600 has a storage life of 12 months when kept in original containers and stored in dry conditions between 5°C and 27°C.

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