



TECHNY CHEMY

TEC[®] POLYSEAL G/P

Polysulphide Sealant- Gun Grade and Pour Grade

KEY BENEFITS AND FEATURES

- Exhibits exceptional bonding properties to most building materials.
- Cured sealant forms into a sturdy, elastic material displaying rubber like flexibility.
- Demonstrates excellent movement accommodation capability in expansion joints and joints with variable movement cycles within the range of $\pm 25\%$.
- Hard-wearing under tough weather conditions and resistant to rain, snow heat cycles and UV radiations.
- Resistant to water, salt water, mild acids and alkalis, fuels like petrol, diesel, aviation fuels, lubricating oils and white spirits.
- Non sag properties permits application in horizontal, vertical conditions and even in ceiling applications
- Available in pour grade for industrial floor joint applications and Airport Runways.
- Does not stain the concrete surface over which it is applied.
- Excellent elastic recovery properties even after long periods.
- Conforms to BS 4254:1983.

Usage

- Excellent for use as Expansion Joint Sealant in Buildings.
- Can be used in vertical joints, horizontal joints and over head applications in both inner and outer side applications.
- Ideal for industrial floor joints in a variety of industries.
- Can be used for expansion joint sealing in Airport Apron and Runways remaining unaffected by the vehicular movement.
- Ideal joint sealant of concrete parking bays.
- Can be used for joints between diverse construction materials like glass, aluminum, steel, and glazing and in water retaining structures.

DIRECTIONS FOR USE

Joint Size: Tec Polyseal G/P can be used for joints of width ranging from 5 to 50mm. Joints with cyclical movements should have an optimum width: depth ratio of 2:1. The recommended minimum joint depths for corresponding surfaces are:-

Metals, glass and other non-porous surfaces	5 mm
Porous surfaces like masonry and concrete	10 mm
For trafficked joints and joints subject to hydraulic pressures	20 mm



SURFACE PREPARATION : All surfaces coming in contact with the sealant must be free of dirt, oil, grime, curing compounds and other contaminants. Concrete surface should be roughened to improve bond. Application of Primer- Tec Polyseal Primer is essential for most applications as the primer promotes adhesion. The primer should be brushed on to the sealant contact areas and the primer should be relatively dry before application of the sealant.

JOINT PREPARATION : Back up Rod / Pad should be provided to insure the optimum Width: Depth ratio of 2:1. The back up material should be a bond breaker (should not bond to the sealant) to prevent three-way stress on the sealant. Ideally foamed Polyethylene strip or neoprene sponge or cord may be used. Use of masking tapes along the joint edges will enhance neatness of the job and prevent the sealant from spreading on the face of the joint. The tape should be removed immediately after tooling the sealant.



Certified:
ISO 9001 (QMS) & ISO
14001 (EMS)



MIXING: Tec[®] Polyseal G/Pis supplied in a single pack containing both base and curing agent. To obtain a uniform homogenous mix the use of aslow speed paddle mixer (not more than 300RPM) is ideal. Mixing should continue till a uniform shade is obtained. Although small quantities may be mixed with a palette Knife, for achieving mix uniformity a paddle mixer would be ideal. In both cases achieving a uniform mix is vital.

APPLICATION: Gun Grade sealant may be applied using a steel spatula or a caulking gun. To obtain a smooth surface the sealant has to be tooled using a flat stainless steel spatula over its surface. This enables removal of any entrapped air. Pour grade sealant does not require tooling. Immediately after tooling is complete the masking tape provided should be removed.

POSTAPPLICATION : Tec[®] Polyseal G/Pshould be allowed to self cure at room temperature for a minimum period of 24 hours before being opened to pedestrian traffic. Vehicular traffic may be allowed after 7 days of curing at room temperature. Prior inspection by the applicator is advised before permitting traffic.

CLEANING: Tools and equipments should be cleaned with Tec[®] Nova SOL- Tool Cleaner when the mix is in uncured state. Cured mix can only be removed mechanically.

PRECAUTIONS : Direct contact with skin or eyes should be avoided. Use of gloves, goggles and other protective gear is mandatory. Enclosed spaces should have adequate ventilation. Where ventilation is inadequate use of suitable breathing apparatus is advised. In case of accidental eye contact thorough water washing is advised. This should be followed up with professional medical assistance. Neither the individual components nor the mix should be swallowed.

Primer is highly inflammable and should be kept away from heat. Prolonged inhalation of the vapor should be avoided.

Technical Data

Physical State	Part-A & B Paste consistency
Color	Part A Base: Off White, Part B Curing Agent: Black Mix: Dark Grey
Specific Gravity	1.6
Pot Life at 30°C	2 Hours
Initial Cure	24 hours
Final Cure	7 days
Application Temperature	5-50°C
Service Temperature	-40 - 80°C
Storage	Store in cool, dry location
Shelf Life	Maximum of 1 year from date of manufacture in unopened package
Compliance	BS:4254:1983, DIN:18540, US TT-S-00230c-1970
Coverage - Primer	6-7 SqM or 1Lt Primer/30Kgs of Sealant
Coverage- Sealant	$Q = \frac{1.6 \times L \times B \times D}{1000}$ W- Width of joint in millimeters L - Length of joint in meters D - Depth of joint in millimeters

PACKAGING

Available in: 1Kg and 3Kg Tins.

OTHER PRODUCTS

Techny manufactures lot more range of other products for construction and repair applications. They include admixtures for concrete, mortars, block making etc, waterproof and damp proof coating systems, Repair and rehabilitations products, Grouts and Anchors, Protective, Decorative and Corrosion prevention coatings, Epoxy Flooring systems, Industrial flooring systems and Tiling aids. For more details refer Separate Product brochures.

Every reasonable precaution is taken in the manufacture of the Techny products to ensure that they comply with high standards of quality. The recommendations and properties of the products are based upon what is believed to be the most reliable information available and are not intended as recommendations which infringe other patents. Although all Techny products are subject to rigid quality tests, no specific guarantee can be given, because results depend not only on quality but also on other factors beyond our control. We therefore welcome consultation in the event of doubt about application performance etc but do not accept any liability either directly or indirectly arising from the use of the products whether used as per its specifications or advice or otherwise. All transactions shall be subject to our terms of sale, delivery and payment. The leaflet supercedes the previous one and any new issue may take place without notice to supercede this edition as and when it becomes necessary.

TECHNICAL DATA SHEET
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