

CICO SEAL T-680

Elastomeric Polysulphide Sealant for Concrete Expansion Joints

CICO SEAL T-680 Polysulphide is two pack Polysulphide based joint sealant and available in GUN GRADE and POUR GRADE. **CICO SEAL T-680 Polysulphide** - gun grade is a gun applied, non-sag type for vertical joints and **CICO SEAL T-680 Polysulphide** pour grade is for horizontal movement joints. When two packs are mixed, i.e. Polysulphide resin (Pack-A) with curing agent (Pack-B), it forms tough, flexible, durable rubber like material with strong adhesive property on most building substrates and joints.

STANDARD

ASTM C 920 (G Grade)

BS 5212 (Section Fuel Resistance) P Grade

BS 4254

Din 18540 & US Federal Specification TTS-00227 E Class A

USAGE

CICO SEAL T-680 Polysulphide is used to form long lasting weather resistant and waterproof seals in joints subject to regular movement or permanent deformation. Gun grade is exclusively used in water retaining structure, under passes, tunnels, basements, pre-cast concrete elements, bridges etc. Pouring Grade is used in runways, subways and rigid pavements or in horizontal movement joints.

ADVANTAGES

- Long lasting elasticity
- High movement capability
- Excellent adhesion to many substances
- Good AFT fuel and chemical resistance
- No sag with Gun Grade
- Easy to pour on horizontal joints with Pour Grade

APPLICATION DATA

Floor Concreting

All surfaces must be clean, dry and free from any loose particles, grease or oils. Correct joint design should be followed. To use economical quantity of **CICO SEAL T-680 Polysulphide**, Width: Depth ratio should be maintained at 2:1. Where joints have been treated with fiber filler board, they should be raked back to the required depth and then compressible solid pipe or polyurethane foam of diameter matching joint width as back filler should be used and a bond breaker tape be placed (No three side bonding). Use **CICO SEAL T-680 Polysulphide(P)**, Primer on both inside surfaces of the joints. Edges may be covered with masking tape.

JOINT DESIGN

Minimum joint depth : 8 mm

Maximum joint width: 40mm

Width to Depth ratio up to 10mm: 1: 1

For 10mm to 40mm Width, Width: Depth ratio 2:1

MIXING

Both packs of Polysulphide (larger quantity) and curing agent (smaller quantity), are pre-measured. NO PART MIXING IS ALLOWED. Use larger pack and smaller pack at 92.8 by wt. Use paddle type mixer (low speed drilling machine) for mixing both the pack to a smooth uniform consistency. Mixing time is normally around 8 to 10 minutes. Place the uniformly mixed sealant into the joints by tapping. Tool off to as lightly concave profile with a spatula. Remove masking tape from the edges.

STORAGE CONDITION

Keep in a dry place and away from extremes of heat.

TECHNICAL DATA

Appearance, Base, Pack – A	White Paste
Hardener, Pack - B	Black Paste
Mixing Ratio, Base: Hardener	92:08:00 92:8
Pot Life, 30°C	3-5 hours
Full Cure at 30°C	7 days
Density of Mixed Material	1.6± 0.1
Service temperature	Up to 80°C
Hardness, Shore – A	20-25
Movement Capacity	± 25%
Shrinkage	0.5% max.
Chemical Resistance	Dilute acids and Alkalis, ATF, Kerosene, Diesel, Lube Oil, White spirit, etc.
Shelf Life	12 months.

PACKING

CICO SEAL T-680 is available in 4 kg.

Important Note:

All CICO products are sold in the market after strict Quality Control in line of ISO 9001 and guaranteed against any manufacturing defect. Although the basic formulation of Company's products generally remains unchanged, production refinements arising from continuing research and evaluation program may occasionally result in marginal changes in properties. CICO aspires to ensure that any recommendation, advice, test data, specification, method statement and other information given in this product datasheet is accurate and best of company's knowledge. Since, the company (CICO TECHNOLOGIES LTD) has no control over the selection of its product, applicators, application methodology, how and where it is applied, therefore, the company cannot accept any liability directly or indirectly arising from the use of its product. It is important to any customer, user or specifier satisfies him / herself that the product is suitable for the intended purpose including health, safety and environmental aspect. Unless or otherwise agreed in writing, all products of the company are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. All customers, users, specifiers should ensure that they examine the suitability of the product with company's latest product datasheet.

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