



ISO 9001:2000

CICO SEALANT-T 680

GUN GRADE/POURING GRADE

Polysulphide Based Elastomeric Sealant For Movement Joints

DESCRIPTION	:	<p>CICO SEALANT T680 GG & PG are two pack polysulphide based joint sealant in two grades as above. CICO SEALANT T680 GG is gun applied or non-sag type for vertical and inclined expansion/contraction(movement) joints and CICO SEALANT PG is pouring grade for horizontal movement joints. When two packs are mixed i.e. Polysulphide, with curing agent, it forms tough, flexible, durable rubber like material with strong adhesive property on most building substrates and joints.</p>	
STANDARDS	:	<p>ASTM C 920 (G Grade) BS 5212 (Section fuel resistance) P Grade BS 4254 Din I8540 & US Federal Specification TTS-00227 E Class A</p>	
USES	:	<p>CICO SEALANT T-680 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.</p>	
FEATURES	:	*	<ul style="list-style-type: none"> 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	:		
Surface preparation	:	<p>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 SEALANT T-680, Width:Depth ratio should be maintained at 2:1. Where joints have been treated with fibre 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 SEALANT T-680(P) Primer on both inside surfaces of the joints. Edges may be converted with masking tape.</p>	
Joint Design	:	Minimum joint depth	8mm
		Maximum joint width	40mm
		Width to Depth ratio upto 10mm	1:1
		For 10mm to 40mm Width, Width:Depth Ratio	2:1

Mixing : Both packs of polysulphide(larger quantity) and curing agent (small quantity) are premeasured. **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 a lightly concave profile with a spatula. Remove masking tape from the edges.

TECHNICAL DATA :

Pack A : White paste in larger quantity with cross linking Polysulphide polymer
Pack B : Black paste in small quantity
Mixing ratio of Pack A:Pack:B : 92:8
Primer on inside surfaces of the joints : **CICO SEALANT (P)** @6 to 8 m² per ltr.
Movement Capacity/Expansion/Contraction : ±25%
Shear movement : 20%
Pot Life : 10°C 8/10 hrs with Curing time 50 to 60 days
20°C 5/7 hrs with Curing time 30 to 40 days
30°C 4/6 hrs with Curing time 21 to 27 days
35°C 3/5 hrs with Curing time 15 to 21 days
45°C 1.5/2 hrs with curing time 10 to 12 days
Density of the mixed material : 1550 Kg/cm³ at 30 ± 2° C.
Shore “A” hardness : 20-25
Service Temperature : Upto 80°C.
Application Temperature : 50C to 40°C
Shrinkage : Upto 0.50%
Chemical Resistance : Dilute Acids, Alkalis AFT fuel, Kerosene, Diesel, Petrol Lubricating Oil, White spirit

Storage condition : Keep in a dry place and away from extremes of heat

SHELF LIFE : 12 months if unopened.

PACKING : **CICO SEALANT (P)** available in 1 Kg, and 4 Kg packing. It is recommended over concrete, brickwork, asbestos, Gypboard, natural or artificial stone, glass, ceramics,anodised aluminium, timber and rigid PVC etc. Primer is not required on epoxy or polyester surfaces but roughening with emery paper is required. **CICO SEALANT (P)** is a simple pack material and highly inflammable. Do not allow naked flame near by.

PRODUCT INFORMATION Although the basic formulation of our products generally remain unchanged production refinements arising from continuing research and evaluation program may occasionally results in marginal changes in properties.

TECHNICAL SERVICES:

- * **CICO** maintains a technical division with highly qualified Technical Personnel to investigate and advise on subjects related to concrete and the construction industry. The Division will advice on the correct use and selection of right products at the right place.
- * **CICO** undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures
- * **CICO** undertakes jobs as a package for total waterproofing system with guarantee

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