

SealArm PS G

(Formerly known as MYK Seal PS G)

Two Part Polysulphide Sealant, Gun Grade

TECHNICAL DATA SHEET

Product Description

Seal Arm PS G is two packs Polysulphide based, tough flexible durable with strong adhesive sealant basically used for movement joints in concrete and pavements. When the two packs are mixed and it forms tough, flexible durable rubber like material with strong adhesive property on most building substrates and joints.

Uses

- Sealing of expansion, contraction & construction joints in building structure such as Basements, subways, retaining walls, floors, external walls, roof terraces & ceilings especially structural expansion joint running through the ceiling.
- Sealing of dynamic structural cracks
- Sealing of water retaining structure joints such as Water tank, reservoir, dams, canals, and water treatment plant
- Sealing of joints in traffic areas such as Bridges, roads and car parking areas

Features and Benefits

- UV Resistant
- Good Weather ability
- Flame and fuel resistant
- Excellent Flexibility and movement tolerance
- Good resistance to chemicals and hydrocarbons

Application Methodology

Step no. 1: Surface Preparation:

The surface should be clean, dry and free from Laitance and loose particles. Correct joint design should be followed. To use economic quantity of Seal Arm PS G the Width: Depth ratio should be 2:1

Back Up Materials:

Insert compressible polyethylene, polyurethane, thermocol foam neoprene, polyethylene butyl rods as back-up material to control depth of sealant in the joint and to provide support for tooling of the sealant

Step no. 2: Priming:

Apply one coat of Seal Arm PS primer on porous surface with dry brush. Please ensure the primer should not apply on Bond Breaker. Primer to be applied only on both side of concrete surface. Allow the primer to dry for one hour and then apply the sealant as soon as possible and certainly within 8 Hours.

Bond Breaker:

Fix bond breaker tape such as self adhesive polyethylene tape on back-up material to avoid adhesion of sealant to the third surface.

Masking Tape:

Apply masking tape such as self-adhesive polyethylene, cellophane or cloth tape on both edges of the joint. It is used to improve the neatness of the finished seal by protecting the face edges of the joint. It may be removed immediately after Tooling of the sealant.

Step no. 3: Application Instructions:

Mixing:

Both parts of Polysulphide are Pre weighed materials; by using paddle type mixer both the parts to be mixed till a smooth uniform Consistency mix is obtained. Mixing time normally is around 8 to 10 minutes.

Application:

The joint surface must be clean dry & Seal Arm PS G can be poured directly from the mixing container. Pour into the joint to the required level. It may be necessary after few minutes to top up the level of sealant after it has flowed into all joint irregularities. Finally strip of the masking tape that has been used

Joint size suitability

Joint width Minimum - 6 mm Maximum : 25 mm in single application Maximum : 50 mm in multiple application	Design Joint width Butt Joint : Expected movement X 4.33 Lap Joint: Expected movement X2
Joint Depth Porous surface : >10 mm Floors :>12mm Non Pours:>6mm Maximum : 25 mm	Width to depth ratio 2:1 for butt joints 1:1 for Lap/floor joints Movement factor Butt joint : 30% Lap joint : 50%

SealArm PS G

(Formerly known as MYK SEAL PS G)

Two Part Ploysulphide Sealant, Gun Grade



TECHNICAL DATA SHEET

Technical Data

Appearance	Base & Curing agent - Homogeneous smooth paste
Colour	Base : Off white
	Curing agent : Dark Brown
	Mixed-Standard grey
Mixed Density @ 25°C	1.60 to 1.70
Pot life @ 25°C	Minimum 2 hrs
Self leveling	Acceptable
Mixing Ratio by weight	Base : Curing agent 92 : 8
Hardness shore 'A' 25°C: After 7 days	Minimum 10
Curing time	7 days at 20°C
UV Resistance	Good
Weather ability	Good
Chemical resistance	Resistance to most alkalies & dilute acids, petrol, diesel or jet fuel and many solvent and vegetable oils.
Flammability	It will not readily ignite when exposed to flame; hence it does not constitute a fire hazard.
Service temperature	-40°C to +80°C

Coverage

Sealant Requires in Kgs $\frac{W \times D \times L \times \text{Mixed Density}}{1000}$

W – Joint Width in MM

D – Sealant Depth in MM

L – Joint Length in Mtr

Mixed Density- It should be in gm/cc

Packaging

4 Kg Pack

Storage & Self Life

Store in cool dry place
12 months from date of manufacturing

Health & Safety

Seal Arm PS G should be applied with gloves and care should be taken to see that it doesn't fall on screen or eyes. Splashes on the eyes have to be immediately washed with plenty of water and medical advice has to be taken.

Product Categories Available**Legal Note**

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.