



FARCO FLEX PS

Two Component Polysulphide Joint Sealant

Product Description

FARCOFLEX PS is a two component polysulphide joint sealant which is produced in two types:

1. Pouring: recommended for horizontal expansion joints.
2. Gun grade: recommended for horizontal and vertical expansion joints. After mixing and application, it chemically cures and an elastic sealant with outstanding resistance to deterioration due to weathering, ozone, ultra-violet light and chemical attack by chemicals present in industrial atmospheres will be gained

Uses

- Contraction and expansion joints in trafficked areas
- Concrete structures in marine environment
- Airport runways, concrete road, warehouses, factories and parking aprons.
- Oil and fuel structures and water treatment plants.

Advantages

- Long term flexibility and high resistance to aging
- Excellent adhesion to most substrates
- Simple to mix and apply
- Resistant to oils, fuels and common chemicals

Standard complicate

BS 4254 ASTM C494-02 Type M Class 25
TT-S- 00227 E ISO 11600 F - 25 LM

Technical Data

Base	Polysulphide
Consistency	gun and pouring
Curing system	chemical reaction
Density (pouring)	1.30 ±0.03
(Gun)	1.40±0.03
Shrinkage	None
Staining	None
Shore A (hardness)	35±5
Solid content	100%
Pot life (20°C, 50/R.H)	3-5 hours
Tack free at 20°C	24hours
Elongation	>600%
Tensile strength	>2.8 Mpa
Working temperature	-30°C +90°C

Chemical resistance

Acetic Acid, 50%	C
Acetone	NR
Benzene	R
Chlorinated water(100ppm)	C
Ethyl Acetate	NR
Formic Acid , 90%	R
Fuel oil / Diesel oil	R
Gasoline , leaded	R
Gasoline, unleaded	C
Hydrochloric Acid , 20%	NR
Hydrochloric Acid , 37%	R
Jet fuel	R
Kerosene	R
Linseed oil	R
Mineral spirits	R
Motor oil 10w/40	C
Nitric Acid 10%, 30%, 60%	NR
Phosphoric Acid, 50%	R
Sodium Hydroxide, 50%	R
Sulfuric Acid 20%	R (25°C)
Sulfuric Acid 50%	NR
Toluene	NR
Xylene	C

R: Recommended
NR: Not Recommended
IC: Intermittent Contact

Method of use

Surface preparation

- Concrete surfaces: must be clean and dry. Wire brush thoroughly and remove dust and contaminants.
- Metal surfaces: remove any corrosion or mill scale by grit or shot blast. Degrease the surfaces with cloth soaked in oil free cleaning solvent.
- Wood substrate: must be clean and dry, cut back or abrade where necessary

Priming

A single coat of primer should be applied by brush. The primer must be allowed to dry for a minimum period of one hour before applying PS should be applied within 24 hours of priming.

Mixing

- Pour entire content of part B into part A pail and mix for 3 to 5 minutes, using a paddle fitted to a 500 r.p.m electric drill.
- Do not subdivide the components
- Failure to completely disperse curing agent throughout the base compound will result in uncured sealant.

Application

- PS should be used immediately once mixed.
- Gun with nozzles can be used for easy application
- Tool the sealant with light pressure to spread the material against the joint surfaces, this operation should be made with spatula soaked in soapy water.
- For good performance, it is essential that

the sealant is only bonded to the two facing sides of the joint, to achieve this, install a back up material (closed cell polyethylene or open cell polyurethane foam)

- Application temperature is between 4 to 40°c

Cleaning

Clean uncured materials with solvent and cured materials mechanically.

Coverage

Depth of joint(mm)	Width of joint (mm)				
	10	15	20	25	30
10	10m	6.7m	5	4	3.33
15	-	4.45	3.33	2.67	2.33
20	-	-	2.5	2	1.67
25	-	-	-	1.6	1.33

Joint Dimensions

- Joints width with minimum 5 mm to max 50 mm
- Joints with cyclic movements should have width: depth ratio of 2:1
- Sealant depth shall not exceed joint width
- Minimum sealant depth recommend for :
Metals and glass is 5 mm, all porous surfaces are 10mm, joints exposed to traffic and hydrostatic pressures are 20mm.
- 5 mm below flush for joints exposed to traffic

Packaging

Part A: 5 kg ± 50gr

Part B: 300 g ± 20g

Totally: 4 liter

Storage

Store FARCOFLEX PS in dry condition and at temperatures between 5°c to 30°c.



● **Shelf life**

9 month in original closed packing.

● **Safety and Handling Precautions**

Apply the usual industrial hygiene.

Prevent contact with skin, eyes or clothing.

Wash thoroughly after handling. Do not take internally.

● **Technical Service**

The SHIMISAKHTEMAN Technical Service Department is available to assist you in the correct use of our products in the field.



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