

FLEXIJOUNT PS

ELASTOMERIC POLYSULPHIDE JOINT SEALANT

DESCRIPTION

Flexijoint PS is a two component, low modulus, chemically curing polysulphide joint sealant developed specifically for dynamic joints. It is based on a liquid polysulphide polymer which when mixed with the hardener, cures to form a tough rubber like seal. Flexijoint PS exhibits excellent adhesion to most surfaces and has good resistance to most chemicals and weather conditions.

ADVANTAGES

- Highly resilient with excellent recovery
- Provides permanent and uniform water tight seal
- Remains flexible in exposed situation
- Not affected by normally used pool chemicals
- Prevents cracking by allowing expansion and contractions during temperature changes
- Excellent adhesion to most common substrate
- High resistance to ageing and mild chemicals
- Not harmful to human and environment
- Can be recycled

JOINT DESIGN

The width of the joint should be a minimum of 4 times the anticipated movement. Joints with cyclic movement should have a width to depth ratio of 2 : 1. But minimum dept of the sealant should be maintained as recommended below

- 10mm for all porous surfaces
- 20mm for joints exposed to traffic and hydrostatic pressure
- 5mm for impervious surface such as metals, glass etc

COVERAGE

Length of joints in meters filled per 1 litre of Flexijoint PS

Depth Width	10	15	20	25	30
10	10	6.7	5		
15	6.7	4.4	3.3	2.6	2.2
20	5	3.3	2.5	2.0	1.67
25		2.6	2.0	1.6	1.3

STANDARDS

British Standard BS 4254 – 83
British Standard BD 6920 – 88
ASTM C 920 – 79

PACKING

Pouring grade – 4 litre pack
Gun grade – 2.5 liter pack

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PROPERTIES

Solid Content	100 %
Specific Gravity	1.4
Movement Accommodation factor	+ or - 25%
Colour	Grey
Pot Life	2 Hours at 35 ^o C
Initial Curing	24 Hours at 25 ^o C
Full Curing	7 Days
Application Temperature	5 ^o C to 50 ^o C
Service Temperature	-20 ^o C to 120 ^o C
Shore A Hardness at 25 ^o C	20 + / - 5 Pouring grade 25 + / - 5 Gun grade
Elongation at break	400 %
Resistance to UV	Excellent
Resistance to stain	Excellent
Resistance to Dilute Acids	Excellent
Resistance to Dilute Alkalis	Excellent
Resistance to Fuels (solvents)	Excellent
Resistance to Oils	Excellent

JOINT PREPARATION & PRIMING

Joint Preparation

Joints must be clean, dry and free from oils, loose mortar, laitance, release agents and other contaminants. A thorough wire brushing, grinding sand blasting or solvent cleaning may be required to expose clean, sound surface.

Priming

Primer may be applied only to clean, dry surface prior to installation of backer rod, bond breaker tape. Flexijoint PS primer is recommended for most common substrates like concrete, tiles etc. For non porous substrates like glass & steel special primer can be applied to get optimum adhesion.

MIXING AND APPLICATION

Gun Grade

Flexijoint PS gun grade is available in a ready to mix container with base and curing agent in a single can. Mix thoroughly with a slow speed drill fitted with a paddle until a uniform colour is obtained. Avoid entrapping air bubbles during mixing by keeping the paddle below the surface level. After mixing load the sealant to a sealant gun and apply carefully.

Pouring grade

Transfer part B to part A container and mix thoroughly with a slow speed drill fitted with a paddle for 3 – 4 minutes until a uniform colour is obtained. After mixing it can be poured directly into the horizontal joints and finish with a scraper.

Always mix one full kit at a time to avoid improper mix ratio.

Cleaning

Remove all excess sealant with scraper. Any spillage can be cleaned using solvents like xylol. Clean all tools and gun using similar solvents immediately after the tooling is over.

HEALTH & SAFETY

As with all construction chemical products caution should be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately.



Quality Products since 1994

Manufactured by

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