



TuffFlex PS 250

Two Parts Polysulphide Joint Sealant

202402

DESCRIPTION

TuffFlex PS 250 is a two component polysulphide sealant which, when mixed together, cures to form a flexible rubber seal. It gives excellent adhesion to glass, metals, concrete, masonry, wood, plastics, and many other building substrates. It is capable of withstanding repeated extension and compression without loss of adhesion.

TuffFlex PS 250 gives outstanding resistance to deterioration by weathering, oil, etc, remains unaffected by most alkalis, and acids.

USAGE

- Used as a joint sealant for withstanding repeated extension and compression without loss of adhesion.
- Used as an excellent sealant to glass, metals, concrete, wood plastics, etc.
- Used as a sealer in movement joints in building and civil engineering structures, including superstructures, reservoirs, floors, basements, and subways.

SPECIFICATION COMPLIANCE

- BS 5212:1990
- BS 4254:1983
- WRAS approved product
- BS 6920:1996



ADVANTAGE

- It is used for sealing joints in building and structures that are subject to movement.
- Excellent chemical resistance.
- Excellent UV resistance.
- High movement accommodation.
- Resists Jet fuels and aviation fuels.
- Gun grade
- Non-biodegradable.



PHYSICAL & MECHANICAL PROPERTIES

Property	Typical Results
Form	Two parts gun grade
Color	Grey
Specific gravity	1.70
Staining	Nil
Potability	Potable
UA Resistance	Good
Shore A Hardness	25
Chemical Resistance	Excellent
Movement Accommodation	30% in Butt joints 50%in Lab joints
Application Temp	0°C to 60°C

APPLICATION INSTRUCTIONS I

Joint Preparation

Porous: Masonry & concrete surfaces should be clean and dry. Any loose particles should be removed with a wire brush followed by blowing out with compressed air. If the surfaces are heavily contaminated with mould release or curing agents, it may be necessary to mechanically remove them.

Non-Porous: Metal surfaces should be free from scale, corrosion and any temporary protective coatings or grease. It may be necessary to wire brush the joints. Clean with suitable solvent.

On wood, it is important that the sealant be applied to the base surface. Previously applied paint or primer must adhere permanently or be removed. To avoid doubt it is preferable to remove all paints.

Priming: Apply a single coat of TuffFlex PS Primer by brush in accordance with the manufacturer's instructions. Allow the primer to dry for a minimum of 1 hour. If sealant is not applied within a further 2 hours, re-priming may be necessary.



Joints Fillers: where applicable, TYL[®]-Cell 100 or TYL[®]-Cell 110 joint filler should be used to partially fill the joint in order to provide the correct depth of sealant. It is also necessary to provide a TYL[®]-Cell 150 bond breaker between the filler and the sealant.

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APPLICATION INSTRUCTIONS II

Masking Tape: Masking tape may be used to improve the neatness of the finished seal by protecting the face edges of the joint. This should be removed immediately after the TufFlex PS 250 has been applied.

Mixing: Combine the base and curing agent and use a slow speed electric mixer fitted with a suitable paddle to stir until a homogenous mix is obtained. Ensure that the mixing paddle is taken round the sides of the tin so that every particle of material is thoroughly mixed. A palette knife should be used to scrape round the inside of the tin to return any unmixed sealant to the mass of material.

Application: Application can be by pouring, gun or trowel according to the grade used. When using a bulk-loading gun, place over the center hole of the filler plate; apply steady downward pressure whilst drawing the rod of the bulk-loading gun, this will result in the barrel being filled. Extrude the sealant firmly into the joint by maintaining an even pressure on the trigger of the gun. Ensure complete filling of the joint to avoid slumping. Clean the gun nozzle occasionally to avoid contamination.

Tooling & Finishing: To obtain a smooth finish, tool the sealant with a spatula wet with diluted detergent. This breaks air bubbles and exposes any air pockets present whilst compressing the sealant and promoting adhesion the joint sides.



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COVERAGE

Joint Size (mm)	Metres per 4 litre pack
10 X 10	40
15 X 7.5	35.6
20 X 10	20
25 X 12.5	12.8
30 X 15	8.9
40 X 20	5
50 X 25	3.2

*1 litre TuffFlex PS Primer for 5 packs TuffFlex PS 250



PACKAGING

TuffFlex PS 250

- 4 Litre per tin

TuffFlex PS Primer

- 1 Litre per tin

STORAGE

It has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.

HEALTH & SAFETY

TuffFlex PS 250 does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to be exposed to skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately – do not induce vomiting.

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