



TuffFlex PS 250

High Grade Polysulphide Joint Sealant

Uses

- 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.

Typical Applications & Advantages

- 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.
- Available in gun and pouring grades.
- Non-biodegradable.

Standards Compliance

TuffFlex PS 250 complies with the requirements of the following standards:
BS 5212:1990.
BS 4254:1983
WRAS approved product
BS 6920:1996

Product 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, oils, fuel, water, ultra violet, ozone etc, remains unaffected by most alkalis, and dilute acids.

Typical Properties:

Form	:Two part gun/pourable grade
Specific gravity	:1.70
Staining	: Nil
Potability	: Potable
UV Resistance	: Good
Shore A Hardness	: 25
Chemical Resistance	: Excellent
Movement Accommodation	: 30% in Butt joints 50% in Lap joints

Technical Support

GIC provides a comprehensive technical support service to specifiers, end users and contractors and is able to offer on-site technical assistance.

Instructions for Use

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.

Joint Fillers: Where applicable, 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 bond breaker between the filler and the sealant. A suitable material is closed cell cross-linked foam polyethylene strip.



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 **TuffFlex 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 centre 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 to the joint sides.

Packaging & Storage

TuffFlex PS 250 is supplied in Gun Grade – 4 litre & 2.5 litre units and Pouring Grade - 4 litre units. It has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.

Coverage

<u>Joint Size</u>	<u>Coverage/ltr</u>
10mm X 10mm	10mtr.
10X15	6.7
10X20	5.0
15X15	4.4
15X20	3.3
15X25	2.6
15X30	2.2
20X20	2.5
20X25	2.0
20X30	1.67
25X25	1.6
25X30	1.3

Health & Safety Precautions

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.

For further information, refer to the Material Safety Data Sheet available for this product.

Important note

GIC endeavors to ensure that the technical information contained herein is true, accurate and represents our best knowledge and experience. No warranty is given or implied, as GIC has no control over the conditions of use and the competence of any labor involved in the application are beyond our control.

As all GIC technical data sheets are updated on a regular basis it is the customer's responsibility to check that the product is suitable for the intended application, and that the actual conditions of use are in accordance with those recommended.

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**Gulf International
Chemicals SAOG**

FACTORY & H.O.

P.O.BOX 132,

PC 124, Rusayl

Sultanate of Oman

Tel: +968 24446800

Fax: +968 24446808

Email:

gulfint@omantel.net.om

**Gulf International
Chemicals**

REGIONAL OFFICE

P.O BOX: 98175,

DUBAI,

UAE

Tel: +971 4 2583221

Fax: +971 4 2583220

Email:

gic_dxb@emirates.net.ae