



# DUFLEX PS

## Polysulphide Sealant

**DUFLEX PS** is a two component polysulphide based joint sealant for

sealing movement & construction joints from 5 to 50 mm width in concrete, masonry, metal and many other substrates. It chemically cures to form a tough but flexible elastomeric seal, accommodating continuous cyclic movement of up to 25% of the joint width as a total movement, whilst giving excellent, weathering and chemical resistant properties. Duflex PS is supplied in pre weighed packs in gun or pouring grades, ready for onsite mixing and use, giving consistent properties and performance.

## USES

- DUFLEX PS is typically used for sealing horizontal & vertical movements joints in building & civil engineering structures such as:
- High Rise
- Dams
- Reservoirs
- Concrete Pavements
- Basements
- Bridges

## ADVANTAGES

- Minimum surface preparation needed and low labor costs.
- Waterproof - suitable for water retaining structures.
- Excellent barrier to carbon dioxide, chloride ions and water. Allows water vapor to escape from the structure.
- High resistance to the effects of long term weathering, durable in all climatic conditions including UV attack.

## APPLICATION

### JOINT PREPARATION

The surface must be thoroughly dry, clean and moisture free. Remove all dust and laitance by rigorous wire brushing, grinding or grit blasting. Remove all rust, scale and protective lacquers from metal surfaces and any oil or grease. Any expansion joint filler must be checked to ensure it is tightly packed and no gaps or voids exist at the base of the sealing slot before positioning a bond breaker.

#### NOTE:

The use of bond breaker is not required in expansion joints containing filler boards or cellular polyethylene expansion joint fillers. For constructions or contraction joints a bond breaker tape or back-up strip should be used. Where hydrostatic pressure exists, only bond breaking tapes must be used, not foamed back-up strips. Where a particularly neat finish is required, mask the face edges of the joint before priming and remove immediately after tooling is completed.

#### PRIMING :

Suitable epoxy primers are recommended.

#### MIXING:

It is essential that the mixing instructions are carefully followed to ensure the correct characteristics of the product are achieved. Failure to do so can result in lower performance or even possible failure of the product. Add the contents of the Part B container to the contents of the Part A container and mechanically mix the components together for 3-5 minutes, until a homogenous consistency is achieved. **DO NOT UNDER ANY CIRCUMSTANCES PART MIX MATERIALS.**



## APPLICATION

### GUN GRADE

Carefully empty the contents of the mixed product into a solid barrel gun, by screwing both the end cap and plunger mechanism and manually filling the empty barrel. Once the barrel is full, screw the end cap and plunger back on and apply by squeezing the trigger to discharge the mixed material into the prepared joint, ensuring good contact with the Joint faces.

### POURING GRADE

Once mixed, carefully pour the mixed material into the prepared joint ensuring good contact with the joint faces. Allow the sealant to settle and top up Immediately if required to the finished level. Immediately after application, finish the sealant in the joint by tooling It to a smooth, concave finish with a mixture of water and a high concentration of washing up liquid. Remove the masking tape immediately after tooling. Curing allow DUFLEX PS to cure fully for 4-7 days before exposing to full mechanical or chemical conditions.

### CLEANING:

Clean tools and equipment Immediately after use with suitable thinner

### PACKING

2.5 Liter

## TECHNICAL SPECIFICATIONS

PROPERTIES	VALUES
Apperance	Smooth Paste
Colour	Dark Grey
Pot Life @ 30°C	>60 minutes
Initial Set Time @ 30°C Full Cure	24 hours
Full Cure	7 days
Application Temp	15°C to 50°C
Service Temp	Up to 60°C
Shore A hardness, Units	>20
Gun Grade Pouring Grade	>15
Solid Content	100%
Density	1.60 approx
Chemical Resistance	Resistance to mineral oils, vegetable oils, dilute acids and alkalis, diesel, lube oils, Jet A1

CTRT By Duproof:

