



Part A

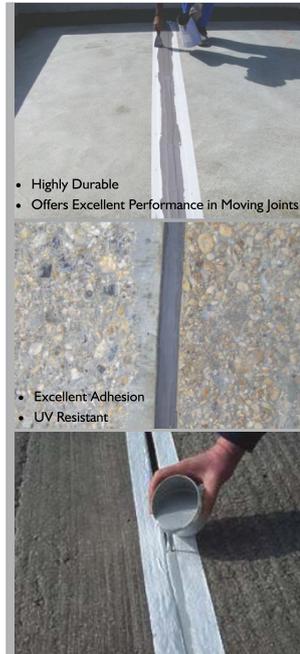
Part B

DUFLEX PS 600

TWO PART POLYSULPHIDE ELASTOMERIC SEALANT

Dubond's Duflex PS - 600 is a two part elastomeric sealant based on 100% solids liquid polysulphide polymer. Which when the components are mixed together, cures to form a hard wearing flexible rubber seal for use in vertical or horizontal joints. It consists of a 'Base' compound and 'accelerator' (Curing Agent). When the two components are mixed together prior to application, a chemical reaction is initiated which cures instant to a firm, flexible rubber like seal with excellent adhesion to concrete, masonry, wood, glass, acrylic and PVC plastics.

Duflex PS - 600 cures at normal temperature to a tough elastomeric seal, which will adhere tenaciously to concrete, masonry, stone, ceramics, metal and wood. Duflex PS -600 will withstand repeated expansion and contraction and remain resilient through daily and seasonal cyclic changes in temperature. It has excellent chemical, solvent, and water resistance. It complies to BS 4254, ASTM C 920 & US Federal Specification TT-S-0027E. It is capable of withstanding repeated extension, compression & Cyclic movements without loss of adhesion and resists deterioration by weathering, sunlight, ozone, water, salt, oils and fuels.



- Highly Durable
- Offers Excellent Performance in Moving Joints

- Excellent Adhesion
- UV Resistant

Green Building Rating



Mineral \geq 30%



Low Emission



Solvent < 5 g/kg



Low Ecological Impact



Health Care



Water Based

Areas of Application

- Designed for ceramic floor and wall tiles for out door and in door.
- Expansion joints in most building super structures roofs, walls etc.
- Glazing frames windows and in curtain walls.
- Bridge decks,subways and heavily trafficked floor joints.
- Basements and retaining walls.
- Floors where high movements, load displacement and chemical resistance is required.
- Water retaining structures such as swimming pools, reservoirs, dams, canals, culverts and water treatment works.

Features & Benefits

- Excellent chemical, solvent, and water resistance
- Forms a tough elasti rubber-like seal
- Accommodates continuous and pronounced cyclic movement
- Excellent adhesion to most common substrates
- High resistance to aging influences,physical damage and climatic extremes
- Cures at ambient temperatures to a tough, elastic and flexible rubber like material.
- Bonds strongly to most of the building materials with the use of recommended primers.

- Durable, remains unaffected by UV rays, ozone and weathering conditions.
- Resistant to water, salt water, 10% dil. Acids except nitric acids, alkalies, most of the common chemicals, Vegetable, lubricating oils and fuels.
- Performs well in a temperature ranging from -20°C to 80°C .
- Slip resistant (sag) can be applied in a horizontal joints.
- Movement capability – provides satisfactory hermetic sealing of the joint subjected to expansion, contraction,
- Vibration and cyclic movement within the following limits. - movement joints upto + 25% of the width.
- Slip resistant (non-sag) can be applied in vertical & ceiling joints.
- Self leveling, after pouring in horizontal joint levels itself.
- Resilient recovers the original width after expansion & contraction without the losing the surface bond.
- Excellent reparability property it can be overcoated by waterproofing compounds.
- Non-toxic sealant will not cause staining to concrete masonry or stones.

■ Surface Preparation

- Surface preparation is the most important step before application of sealant to get best results and to avoid failure.
- The joint surface must be dry, free from dust, coatings, bituminous mastics, concrete curing agents, mould release agents, oils, greases and loose particles.
- Clean the joint surface by wire brush and sanding with emery paper.
- Remove dust by compressed air or paint brush.
- Wipe out oil and grease by solvent soaked cloth (such as Xylene or Acetone.)

■ Back Up Materials

Insert compressible polyethylene, polyurethane, neoprene, polyethylene butyl rod, shalitek expansion board, Capall expansion board of Supreme Industries as backup material to control depth of sealant in the joint and to provide support for tooling of the sealant.

■ Priming

Apply two coats of Hydroprime by brush on the sides of the joints surface at an interval of 30 minutes.

■ Masking Tape

Apply masking tape such as self-adhesive polyethylene, cellophane or cloth tape on both edges of the joint. It is used to improve the neatness of the finished seal by protecting the face edges of the joint. It may be removed immediately after tooling of the sealant.

■ Mixing

The base and accelerator compounds supplied are packed in pre-weighed quantity as per the mixing ratio. After the application of primer, mix the material of individual container. Transfer entire quantity of accelerator to the base compound tin and mix it thoroughly to a uniform, homogenous black colour. Mixing can be done manually with spatula, palette knife

■ Application

- Fill the top portion of the joint with Polysulphide two pack sealant used within the specified time of mixing.
- This is particularly critical and no attempt should be made to remix or thin out half set material using solvents to make it to application viscosity since the viscosity increase is due to an irreversible reaction.
- Ensure that two people are on the job at one time, one of them filling in the joint and the other simultaneously tooling the same to give the top of the same a concave appearance.
- Both the filling and the handling should be done by dipping the hands or tools in kerosene continuously as otherwise the material will stick to the hand or the tools and therefore be difficult to handle. Also Soap solution can be used to smoothen the sealant surface other than the use of kerosene.

■ Precautions & limitations :

- Avoid application on damp or moist substrate.
- Avoid application below 10°C temperatures.
- Ensure that two coats of primer are applied on the jointing surfaces V.
- Some people are sensitive to resins, hardeners, solvent and its vapours so it is advisable to use hand gloves and goggles.

Technical Information

Nature	Two Component
Mixing Ratio	Base : Accelerator 92 : 8 parts by weight
Consistency after mixing	Thick, non-sag paste
Application time (pot life) at 30° C	2 - 3 hours
Initial setting time at 30° C	24 hours
Complete curing time, At 5C	8 weeks
Colour-Base compound	Off White
Accelerator (curing compound)	Dark brown to black
Mix compound	Grey
Sump (sag) resistance	No Sagging
Solids	100%
Specific Gravity	1.55
Tensile Strength	2.00 To 2.50 N/mm2
Water Resistance	Excellent
Corrosion	Nil
Density	1.8

Coverage

Density x width x depth of the groove ÷ 1000 = Consumption per Running Meter.
(for example 1.8 x 25mm x 50 mm ÷ 1000 = 2.250 Kg per Running meter)

Packing

Part A : 4.6 Kg

Part B : 0.4 Kg.

Shelf life & Storage

Store at cool & dry place.

Health & Safety Precautions :

It is advisable to use hand gloves & goggles.

Avoid applications below 10° C.

Avoid applications on damp or moist surface.

DISCLAIMER The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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