

DONCRETE SUPER SEAL-201

PRODUCT DETAILS

CONFORMS TO BS : 4254-1983 ASTM C 920, 87

DONCRETE SUPER SEAL-201 is a two part sealant based on liquid poly sulphide polymer. The product is recommended for critical joint sealing and for sealing structural expansion joints in most Engineering structures like building superstructures, subways, basements, floors and reservoirs.

SPECIFICATIONS: Confirms to BS: 4254:1983 DIN18540, U.S. TT-S-00230C-1970

ADVANTAGES:

Forms a tough elastic rubber seal. High resistance to climatic extremes and physical damage. Hard resistance to occasional spillage of dilute acids, diesel, kerosene, lubricating oils. Excellent weathering characteristics with resistance to rain, snow, heat and UV light.

WHERE TO USE:

Sealing joints in

- a. Subways
- b. Basements
- c. Retaining walls
- d. Reservoirs
- e. Brickwork joints
- f. Expansion joints in buildings and airport

STANDARD PACKING: 1 Kg- 4 Kg containers

JOINT PREPARATION: **DONCRETE SUPER SEAL-201** sealants are designed for application in the joints between 5 to 50mm wide which are expected to experience cyclic movements. The minimum depth: width ratio should be 1:2. Recommended sealant depths are:

5mm for metals, glass and other non-porous surfaces.

10 mm for all porous surfaces.

20 mm to 50 mm for the traffic surface joints.

Typical Properties:

Color	:	Grey
Temperature during Application	:	5 to 45°C
Density	:	1.60-1.65kgs/Ltr.
Solids content	:	DONCRETE SUPER SEAL-201 must be Fully cured Before permanent immersion in water.
Setting time	:	72 hours at 5°C (approx.)
	:	36 hours 15°C (approx.)
	:	18 hours 25°C (approx.)
Cure time	:	8 weeks at 5°C
	:	4 weeks at 15°C
	:	2 weeks at 25°C
	:	8 days at 25°C
Chemical resistance	:	Resistance to most alkalis, dilute acids and Chemical solutions.
Flammability	:	Burns but does not readily support combustion
Movement accommodation	:	25% for butt joint and 50% for lap joints.
UV Resistance	:	Good

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Preparation of the joint: The surfaces should be clean, dry and free from any loose material, dirt, rust, dust, lacquers, grease and laitance etc. Remove all rust, scale and protective lacquers from metal surfaces. Insert back up material and bond breaker to ensure the right depth to width ratio. For construction or construction joints a bond breaker or back up tapes should be used. Where hydrostatic pressure exists, oily bond breaking tapes must be used not foamed back-up strips. For a neat finish, mask the four edges of the joint before priming and remove immediately after tooling is completed.

DONCRETE SUPER SEAL-201 PRIMER:

For porous surfaces, **DONCRETE SUPER SEAL-201** Primer should be applied. It should be used on concrete, stone, brickwork, timbers and unglazed edges of ceramic tiles. One thin coat is sufficient but for excessive porous surface one more coat is required.

Brush application is enough, but over priming should be avoided. **DONCRETE SUPER SEAL-201** must be applied when the primer is tack free. After 3 hours the surfaces must be re-primed before applying the sealant.

MIXING:

DON SUPERSEAL-201 is a two part poly sulphide sealant, the base and the curing agent, contained in the same tin. The curing agent is to be poured in the tin with the base and mixed thoroughly until a homogeneous, uniformly colored material is formed.

For thorough mixing of the tin, it is preferable to use a slow speed electric mixer, fitted with a paddle stirrer for a full 5 minutes. Only thorough mixing will result in proper curing. After mixing fill cartridge and fix in the gun for application.

FINISHING: **DONCRETE SUPER SEAL-201** should be tooled to a smooth finish. The excess/dried material should be removed by scraping off and then washing with a brush or cloth with kerosene or cleaning agent. Any waste material from sealant application must be disposed off properly.

Quantity Estimation:

$$Q = 1.6 \times L \times W \times D / 1000$$

Where Q	=	Quantity in kg
L	=	Length of the joint in meter
W	=	Width of the joint in mm
D	=	Depth of the joint in mm

Health & Safety: As the curing agent consists of heavy metal based oxide avoid skin contact. Wear impervious rubber or PVC gloves and eye protection. Hands should be thoroughly washed off with soap and water before eating or smoking. Cured sealant should not be brushed off due to the generation of toxic flames. Empty container should be carefully disposed.

TECHNICAL COLLABORATION WITH



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