

DONCRETE SUPER SEAL-203

**PRODUCT DEATAIL
CONFORMS TO BS : 5212**

DONCRETE SUPER SEAL-203 is a two part poly sulphide sealant based on poly sulphide resin, curing agents, select fillers, plasticizers and vulcanizing agents. When the base and curing agent are mixed it forms an uniform color mass which can either be poured into the horizontal expansion joints or gunned into the vertical joint depending upon the grade. Essentially **DONCRETE SUPER SEAL-203** is available in two grades. Pouring grade for horizontal application and gun grade for non slump vertical applications.

ADVANTAGES:

1. **DONCRETE SUPER SEAL-203** seals the joints and makes them watertight.
2. **DONCRETE SUPER SEAL-203** accommodates the movement of structures because of expansion contraction and also because of deflections and settlements.
3. **DONCRETE SUPER SEAL-203** is tough hence floor joints treated with poly sulphide can be trafficable.
4. **DONCRETE SUPER SEAL-203** when dry gives an aesthetic smooth grey appearance.
5. **DONCRETE SUPER SEAL-203** is resistant to chemical spillages and also resistant to oils, Petrol, Diesel and solvents.

PRIMARY USES:

DONCRETE SUPER SEAL-203 is an expansion joints sealant useful in sealing horizontal as well as vertical joints. **DONCRETE SUPER SEAL-203** is used for sealing reappearing cracks on the roofs, shear cracks in the brickworks and joints in water tanks. **DONCRETE SUPER SEAL-203** is used for sealing gaps between the building material of different structures such as concrete and wood, glass and aluminum, and exterior glazing. **DONCRETE SUPER SEAL-203** is used in expansion joints varying between 6 mm to 50 mm.

SURFACE PREPARATION:

DONCRETE SUPER SEAL-203: All joints to be sealed with **DONCRETE SUPER SEAL-203** should be dry clean and free from any dirt, dust, rust, scale or any protective lacquer or grease. Expansion joint fill material (bitumen impregnated board) shall be tightly packed in position so that a clear joint depth as per joint design is available. As a thumb rule depth of joint is taken as half its width and the depths is not less than 6mm. A bond-breaking tape or callow tape is fixed on the joint fill board to avoid direct contact between **DONCRETE SUPER SEAL-203** and the board. Apply masking tape on top surface on either side of the joint to avoid staining of neighboring area.

PRIMING: If the sides of the joints are porous and irregular use **DONCRETE SUPER SEAL-203** which is a two component material. Mix the two components and brush apply on the sides of the joint. When the primer becomes tack free apply or pour **DONCRETE SUPER SEAL-203** in the joint.

MIXING:

Transfer the entire contents of the small curing agent pack to the larger pack of the base and mix thoroughly for five minutes by electric drill with blades or manually till a uniform consistency paste is obtained.

APPLICATION:

Pour the mixed **DONCRETE SUPER SEAL-203** in the joints and finish the joints using rounded spatula or similar object to bring about a smooth surface and also remove any air which might have got entrapped during mixing. It is advisable to finish the surface slightly concave to keep the **DONCRETE SUPER SEAL-203** unaffected by heavy trolley movements.

DONCRETE SUPER SEAL-203

Properties

Base	: Milky white paste	Reactor	: Dark Brown/black paste
Mixing Ratio	: 1:11.5	Specific Gravity	: 1.55
Port life	: 3 hours @ 25°C	Tack free Time	: 24 hours @ 25°C
Full Cure	: 7 days	Total Solids	: 99%
Application temp	: +5°C to 40°C	Service temp. Limits	: -23°C to + 100°C
Shrinkage	: Negligible	Shore A hardness	
		@ 25°C (full cure)	: 23
Chemical resistance	: Good	UV resistance	: Very Good
Movement accommodation factor	:	In butt joint	25%
		In Lap joint	50%

COVERAGE CHART:

Coverage or the length of the joint sealed with one kg of **DONCRETE SUPER SEAL-203** depends on the width. The following table gives the coverage in meter per kg of **DONCRETE SUPER SEAL-203** for various joint thicknesses.

Depth of Joint In mm	Width of joints									
	5 mm	10mm	15mm	20mm	25mm	30mm	35mm	40mm	45mm	50mm
6mm	17.90	10.75	7.16							
10mm			4.30	3.22	2.58					
15 mm				2.15	1.72	1.43				
20 mm					1.29	1.07	0.92	0.81	0.72	
25 mm							0.74	0.65	0.57	0.52

CHEMICAL RESISTANCE:

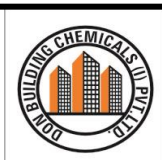
Chemical resistance of **DONCRETE SUPER SEAL-203** against various chemicals is as follows: -

Dilatants	:	Resistant	Dilute alkalis	:	Resistant
Petrol	:	Resistant	Aviation fuels	:	Resistant
Diesel	:	Resistant	Kerosene	:	Resistant
Lubricating Oil	:	Resistant	White spirit	:	Resistant
Chlorinated solvents	:	Resistant	Aromatic solvents	:	Resistant
Dilute oxidizing Aids	:	Resistant			

SHELF LIFE: Twelve months if stored in manufacturer's original packing.

PACKING: 1 Kg.

TECHNICAL COLLABORATION WITH



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