

DONCRETE 210

SINGLE COMPONENT, POLYURETHANE BASED JONT SELANT

Single Component, Polyurethane Based Joint sealant

Product Properties

- **Doncrete 210** is a single component Polyurethane based elastomeric sealant
- It can cure under atmospheric humidity
- Primeless application and good bond strength
- Good weathering and UV resistance
- Single component hence it is very easy to apply
- It is available in choice of colors
- Highly elastic
- Good in Tear resistance
- Confirms to ISO 11600 Type F class 25 LM
- Confirms to ASTM C920 Type S Grade NS class 25
- CE Marking Class 25 LM

Areas of Application

- **Doncrete 210** can be recommended for Building Construction segment
- **Doncrete 210** can be recommended for bonding with wood, concrete, glass, terra cotta, stone, tiles, etc
- **Doncrete 210** bonding with different type of Plastics like PVC, ABS, PMMA etc

Technical Data Sheet

Characteristic	Unit	Value*	Comments
Density		1,15 ± 0,02	At 20° C Temperature DIN-534793
Sagging	mm	3	As per ISO 7390
Application Temp	° C	+5 to +80	
Skin Formation Time	hour	5 to 10	At 23° C and 50% RH
Cure Time	Mm/24hour	>2	At 23° C and 50% RH
Shore A Hardness		25	Internal Method IT-20 after ISO 868 – 3 sec
Modulus at 100%	Mpa	0.4	ISO 8331
Elongation at Break	%	700	ISO 8331
Temperature resistance	° C	-40 ⁰ to +80 ⁰	
MAF	%	25	ASTM C 719 & ISO 9047
UV resistance		Good	
Tear Resistance	Mpa	6	ISO 34
Terrible	N/mm ²	1.8	DIN -53515
Water Absorption		NIL	DIN- 1048
Movement Capiability	%	100	ISO-11660
Elastic Recovery	%	100	DW-EN-ISO 7389 B
Joint Dimension		Min. 5-40mm	

Product Characteristics for Doncrete -210

Type of Product	Thixotropic
Color	Available in Choice of colours
Shelf Life	24 Months from date of Manufacture if stored in Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost, Storage Temp should be +5° C to +25° C
Delivery	600 ml sausages
Disposal	Empty packs completely and dispose off carefully to protect our Environment

DONCRETE 210

SINGLE COMPONENT, POLYURETHANE BASED JONT SELANT

Safety Advice

Please take notice of the safety information and advice given on the packaging labels, safety information sheets and General Application Advice.

Application Notes

Joint Preparation

The substrate for the application of **Doncrete 210** should be free from any unsound substances, oil, dust, grease, vegetations etc. All the old sealants if any should be removed completely. Cleaning should be done by any mechanical mean to achieve a sound surface. If the surface is porous then it should be brushed with mechanical brush so that all the impurity will be removed for better adhesion. The joint width should be kept uniform throughout the section. Before application of the **Doncrete 210** the joint the residual moisture should be less than 4%.

Joint Filler

For Joint Filling Backer Rod can be recommended as per joint width and depth. While filling the Backer rod into the joint's chare should be taken that the backer rod should be packed tightly in the joint so that it can provide suitable non-movement able cushion for the sealant throughout the joint. During choosing of the bond backer care should be taken so that it will not bond with the sealant. If there is any chance that the backer rod can be bonded with Pu sealant then in that condition Bond breaker can be recommended before application of sealant. The joint depth must be limited to approx. 50% of the width, however it must be at least 10 mm as per DIN 18540.

Priming

Normally **Doncrete 210** does not require any primer because it provides better adhesion with almost all type of building materials recommended for Building constructions.

Application

Doncrete 210 is available in ready to use single component sausage. Then load the Sausage in to pneumatic sealant gun. Then suitable nozzle will be fixed for easy application in the joints. During application through pneumatic Sealant gun the working pressure should be 4 – 6 bar and the application should be void and bubble free. Then after application of Doncrete 210 the sealant can be leveled or smoothen by help of sealant leveling tool. Once the sausage protection has been opened for application, the entire sausage should be completely in a single go. Otherwise sealant will be cured with in 24 hrs inside the sausage only. Application of Doncrete 210 should stopped immediately if the Surface and ambient temperature will go below +5⁰ C

Notice

Application of **Doncrete 210** should be done if the temperature in between +5⁰ C to +33⁰ C. During the curing period of the sealant avoid any contamination of Dust, Alcohols, ammonia or any foreign materials. Application of sealant should be avoided in bituminous surfaces or any oil contaminated surfaces. Recommendation of **Doncrete- 210** should be avoided for the areas containing permanent water bodies.

TECHNICAL COLLABORATION WITH



Don Building Chemicals (India) Pvt. Ltd.
B-111-112, Santosh Complex, Vibhuti Khand,
Gomti Nagar, Lucknow- 226010
E-mail: donbuildingchemicals@yahoo.com
Website: www.donbuildingchemical.com



Doncrete USA Inc.
Governors Hwy 292, PA-8, Oil City
PA-United States- 24601
E-mail: help@doncreteusa.com
Website: www.doncreteusa.com