BCI BUILDING CHEMISTRY INDUSTRY

BC FR Polyol

Product Description:-

Solvent free, two-component fire retardant grade polyurea coating for fire resistance and flame proof applications . This permanently elastic and crack-bridging coating material is designed for use in surface protection, especially concrete protection.

Safety Considerations:

Safety data sheets (SDS) are available from the BCI Chemical industry. SDS Sheets are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. SDS Sheets FRe updated regularly, therefore, please request and review the most current MSD sheet before handling or using any product. These FRe available from the nearest BCI sales office.

Precautions:

The use of this two-component system requires special precautions. Please refer to the material safety data sheet before using. Avoid inhalation of the vapor and contact with skin and eyes. Working FReas should be well ventilated with fresh air.

Use protective gloves and glasses in case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water and soap. During spray application, wear suitable respiratory equipment.

Typical Component Properties:

	Units	BC FR POLYOL	BC FR Isocyanate	Test Method
Appearance		Yellowish	yellowish	DIN52002
Density(23°C)	g/cm³	1,00	1,10	DIN53217/1+2
Viscosity(23°C) (Brookfield)	mPas	500	1500	DIN53019/1
Flashpoint	°C	>200	>200	DIN52578

Recommended Process Conditions:

	Units	Limits
BC FR Polyol	pbv	100
BC FR Isocyanate	pbv	100
Typical component template (Pol/Iso) (Tanks and tube package	°C	70-90

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Typical Reaction ChASacteristics:

	Units	Limits
Gel time	s	2- 3
Pot life	s	6- 7
Final hFRdness	days	2

Handling and Storage:

	Units	Limits
Gel time	s	2- 3
Pot life	s	6- 7
Final hFRdness	days	2

Typical Polymer Properties:

	Units		Test-Method
Shore	Shore D	53	DIN53505
Tensile strength	N/mm^2	23.1	DIN53504
Elongation at break	%	310	DIN53504
TeFR resistance	N/mm	74.0	DIN53515
Abrasion	mm^3	220	DIN53516
Density	g/cm 3	1.0	DIN53420

Packing :

BC FR Polyol -A -200 KGS
BC FR Iso cyanate -220 KGS

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