

# BC AL Polyol

## Product Description:-

Solvent free.very fast two-component aliphatic polyurea coating material for cold 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 are updated regularly, therefore, please request and review the most current MSD sheet before handling or using any product. These are 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 areas 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.

## Customer Notice:

BCI encourages its customers to review their applications of BCI products from the standpoint of human health and environmental quality. To help ensure that BCI products are not used in ways for which they were not intended or tested, BCI personnel are willing to assist in dealing with ecological and products safety consideration. Your BCI representative can arrange the proper contacts.

## Typical Component Properties:

	Units	BC EF POLYOL	BC EF Isocyanate	Test Method
Appearance		Yellowish	yellowish	DIN52002
Density(23°C)	g/cm <sup>3</sup>	1,00	1,10	DIN53217/1+2
Viscosity(23°C) (Brookfield)	mPas	500	1500	DIN53019/1
Flashpoint	°C	>200	>200	DIN52578

### Building Chemistry Industry

Suit No 203, Al Manar Business park Bin Khalid Street Dammam .Kingdom of Saudi Arabia.

Email: [info@bcisaudi.com](mailto:info@bcisaudi.com) Website: [www.bcisaudi.com](http://www.bcisaudi.com)



## Recommended Process Conditions:

The Additive component must be stirred and homogenized well before use. The material is processed with a two-component high pressure dosing machine using the impingement mixing technology.

	Units	Limits
BC EF Polyol	pbv	100
BC EF Isocyanate	pbv	100
Typical component template (Pol/Iso) (Tanks and tube package)	°C	70-90
Respectively the same typical Pressure (Pol/Iso).	bar	150-180

## Handling and Storage:

	Units	BC EF POLYOL	BC EF Isocyanate
Storage temperature	°C	15-25	15-25
Storage stability/Shelf life <sup>(1)</sup>	months	6	6

## Typical Polymer Properties:

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

## Packing :

BC EF Polyol -A -225 KGS  
BC EF Iso cyanate -200 KGS

NOTICE: The information and data contained herein do not constitute sales specifications. The product properties may be changed without notice. No liability, warranty or guarantee of product performance is created by this document. It is the Buyer's responsibility to determine whether BCI products EFe appropriate for Buyer's use and to ensure that Buyer's workplace and disposal practices EFe in compliance with applicable laws and regulations. .

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