

BC 104 Polyol

Description:-

Solvent free, very fast two-component polyurea coating material. This permanently elastic and crack-bridging coating material is designed for use in surface protection, especially concrete protection.

Design features:

- Excellent resistance to UV degradation
- Suitable for use as deck coating systems in bridges and other super structures
- BC 237 Polyol exhibit very high resistance to sea water and is recommended for structures located in marine atmosphere.
- This product qualifies for LEED V4 criteria for low emitting materials. Nonhazardous and highly suitable for potable water tank lining applications.

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

Safety Conditions:

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

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 104 POLYOL	BC 104 Isocyanate	Test Method
Appearance		Yellowish	yellowish	DIN52002
Density(23°C)	g/cm ³	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 104 Polyol	pbv	100
BC 104 Isocyanate	pbv	100
Typical component template (Pol/Iso) (Tanks and tube package Respectively the same typical Pressure (Pol/Iso).	°C	70-90
	bar	150-180



Typical Reaction Characteristics:

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

Handling and Storage:

	Units	BC 104 POLYOL	BC 104 Isocyanate
Storage temperature	°C	15-25	15-25
Storage stability/Shelf life (1)	months	6	6

Typical Polymer Properties:

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

Packing :

BC 104 Polyol -A -225 KGS BC 104 Iso cyanate -200 KGS

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