

# BC 237 Polyol BC 885 Isocyanate

## Description:-

Solvent Free, 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 recommend 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.

## Typical Component Properties:

	Units	BC 237 POLYOL	BC 885 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

## 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
<b>BC 237 Polyol</b>	pbv	100
<b>BC 885 Isocyanate</b>	pbv	100
Typical component template (Pol/Iso) (Tanks and tube package)	°C	70-90
Respectively the same typical Pressure (Pol/Iso).	bar	150-180

## Typical Reaction Characteristics:

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

BC 237 Polyol is designed for service temperatures from 30 Deg C to +140 Deg C

### Building Chemistry Industry

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### Typical Polymer Properties:

These items are provided as general information only

	Units	Test-Method
Shore hardness	Shore D 53	DIN53505
Tensile strength	N/mm <sup>2</sup> 23.1	DIN53504
Elongation at break	310%	DIN53504
Tear resistance	N/mm 74	DIN53515
Abrasion	220	DIN53516
Density	g/cm <sup>3</sup> 1.0	DIN53420
Natural salt spray	Hours 2500	ASTM B117

### Handling and Storage :

	Units	BC 237 POLYOL	BC 885 Isocyanate
Storage temperature	°C	15-25	15-25
Storage stability/Shelf life (1)	months	6	6

### 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:

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

BC .237 polyol under the influence of suitable epoxy anticorrosive primer shall provide service life up to 10 years without any signs of degradation or structural deformation

The Technical specification information and recommendation given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product. Building chemistry industry reserves the right to amend the technical characteristics of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of Building chemistry industry, no guarantee and/or responsibility is assumed on the performance of work completion executed with use of our products.

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