

# eco pur C eco pur CBD



## Sealants for insulating glass units



The **eco pur C** and **eco pur CBD** sealants are 2-component polyurethane systems, developed specially for the needs of glass unit production.

Thanks to the application of an innovative catalytic system, the **eco pur C** and **eco pur CBD** sealants do not require toxic mercury. The **eco pur CBD** is produced on the basis of the poly-BD polymer.

When cured, the **eco pur C** and **eco pur CBD** sealants achieve excellent durability and long-lasting adhesion to cleaned and degrease aluminium and glass surfaces, as well as spacers of various materials.

From the beginning free from toxic mercury



### eco in

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## Application

The eco pur, as a secondary sealant, is applied for single or multi-chamber insulating glass unit production. The optimal viscosity of the sealant ensures the comfort of work for both: robot and manual machine application of the sealant.

## How to use eco pur C and eco pur CBD

To ensure sealant adhesion, the surface has to be dry, mechanical- and organic-pollution free.

The optimum parameters of a cured sealant are reached when the components are mixed at the ratio of:

- Volume ratio: A to B = 100:10,
- Weight ratio: depends on the density of component A.

## Package

eco pur C and eco pur CBD component A – steel drums of 200 litres with the inliner.

eco pur C and eco pur CBD component B – steel drums of 20 litres or 200 litres.

Component B is available as a liquid or paste.

## Storage

eco pur C and eco pur CBD component A should be stored for a period of not longer than six months in dry and ventilated places at a temperature between 10°C and 30°C.

Component B should be stored for a period of not longer than six months in dry and ventilated places at a temperature between 15°C and 30°C.

**Caution: component B is sensitive to moisture.**

## Standards

eco pur C and eco pur CBD meet all parameters determined by the industry norms for insulating glass units and in particular the EU norm EN1279-2,3,4.

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## Certificates

eco pur C

- 31A/2017 in compliance with EN 1279-2,
- 31B/2017 in compliance with EN 1279-3,
- 33A/2017 in compliance with prEN 1279-4:2015.

eco pur CBD

- 32A/2017 in compliance with EN 1279-2,
- 32B/2017 in compliance with EN 1279-3,
- 33B/2017 in compliance with prEN 1279-4:2015,
- CEKAL (04/2019),
- RAL Gütezeichen.



## Technical Data

	eco pur C	eco pur CBD
Component A colour	White/Beige	White/Beige
Component B colour	Black	Black
Mixture A and B colour	Black	Black
Density A [g/cm <sup>3</sup> ]	1.80 (- 0.15/+0.10)	1.70 (+/-0.10)
Density B liquid [g/cm <sup>3</sup> ]	1.10 (+/- 0.10)	1.10 (+/-0.06)
Density B paste [g/cm <sup>3</sup> ]	1.15 (+/-0.06)	1.15 (+/-0.06)
Dosing A:B		
Volume	100:10 (+/-10%)	
Weight	depends on component A density	
Pot life [min]	>20 min depends on ambient conditions and sealant temperature	
Tack-free [h]	<6 h depends on ambient conditions and sealant temperature	
Shore A Hardness		
4 h	>15	≥20
24 h	40÷60	≥35
14 d	45÷65	≥45
Tensile 0.30 [N/mm <sup>2</sup> ] EN 1279-6 (10 min test)	10	10
Load [N/mm <sup>2</sup> ] (OAB curve cross point)	0.41	0.40
WVTR membrane 2 mm EN 1279-4 [g/m <sup>2</sup> /24 h]	8.7	5.1
GRP diffusion (argon) membrane 2 mm EN 1279-4 [g/m <sup>2</sup> /24h]	0.43	0.40

## Additional information

The above data correspond to our present knowledge and past results. They refer only to laboratory conditions and do not constitute grounds for claiming.