

EGOFLEX 423 FLOOR/CONNECTION JOINTS

is a one-part, elastic, solvent-free and odourless polyurethane sealant that cures with atmospheric moisture. The material is mechanically and chemically resilient, is characterized by very good resistance and does not require any training for the safe use of products containing diisocyanate.

CHARACTERISTICS

The product is characterized by the following properties:

ageing-resistant · chemically resilient · good resistance · mechanically resilient · odourless · solvent-free · UV-resistant · weather-resistant

APPLICATION AREAS

EGOFLEX 423 is suitable for sealing of interior and exterior floor and connection joints.

Areas of application:

civil engineering · clean room · construction · entrance halls · parking decks · production halls · stairwells · tunnel construction
underground garages · warehouses · waste water & sewage treatment plants · yard areas

Good adhesion to: [please note primer table]

concrete · screed

Not or only conditionally suitable for: [Own tests assumed and recommended]

bitumen · EPDM

APPLICATION NOTES

- ① Clean the bonding surfaces with EGO CLEANER.*
 - ② The bonding surfaces must be clean, dry, stable and free of dust and release agents.
 - ③ In order to optimise adhesion on absorbent, mineral substrates use EGO PRIMER PUR.*
 - ④ In case of coated floors please contact us or carry out tests prior to use.
 - ⑤ Not suitable for glass sealing and in swimming pools, as well as on bituminous substrates or other oil or plasticizer bleeding substrates [e.g. EPDM].
- * Notes:
- Select cleaner depending on the substrate
 - Do not prime glass and glass-like surfaces
 - Own tests or consultation recommended.

STANDARDS AND TESTS

EGOFLEX 423 corresponds to the:

Standards according to:

- DIN EN ISO 11600 F 25 HM
- DIN EN 15651-PW 25 HM EXT-INT-CC
- DIN EN 14188-2 PW 25HM EXT-INT CC
- DIN EN ISO 16938-1 (Compatibility on many less absorbent natural stones)

IVD data sheets:

- No. 1, 21, 24, 29, 31, 35

Requirements for:

- Clean room

Product code:

- GISCODE PU10

The following tests were achieved by EGOFLEX 423:

Certificate of compliance:

- for direct food contact

European conformity:

- CE marking declaration of performance LE/DoP no. EG03430314

Testing:

- based on the construction and testing principles for sewage systems

SUSTAINABILITY

VOC requirements:

- EMICODE EC1^{PLUS}
- LEED® v4 EQc: Low-emission materials

Environmental Product Declaration (EPD):

- Sample EPD (Products based on polyurethane or silane-modified polymer, group 1)



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SPECIFICATIONS

Product specifications	Result	based on
Material basis	polyurethane	
Density	approx. 1.3 g/cm ³	DIN EN ISO 1183-1
Application temperature	+5 °C to + 40 °C	
Temperature resistance	-40 °C to +80 °C	
Shore A Hardness	approx. 35	DIN EN ISO 868
Modulus at 100 % Elongation	approx. 0.6 N/mm ²	DIN EN ISO 8339
Elastic Recovery	> 90%	DIN EN ISO 7389
Elongation at break	approx. 800 %	ISO 37
Tear strength	9N/mm ²	
Volume Shrinkage	25%	
Viscosity	non-sag	DIN EN ISO 7390
Skin forming time	approx. 65 minutes [23 °C/ 50% RH]	
Cure Rate	approx. 3 mm/24 hours	
Chemical Resistance	Resistant to water, sea water, cement milk, neutral aqueous cleaning agents, weak bases and acids. Not resistant to alcohols, conc. alkalis and acids. Caution: Joints exposed to chemicals are maintenance joints. The resilience of the sealants is limited by chemicals.	
Building Material Class	B2, normally flammable Euroclass E	DIN 4102 DIN EN 13501

AVAILABILITY AND STORAGE

Standard color	concrete grey
Packaging	<ul style="list-style-type: none"> ▪ 600 ml foil bags [20 pieces/carton, 30 cartons/pallet] ▪ Special containers on request
Storage	Store in original packaging in a cool, dry place: <ul style="list-style-type: none"> ▪ 12 months

SAFETY INSTRUCTIONS

Meets Requirements of	Regulation (EC) No. 1907/2006 (REACH) and No. 1272/2008 (CLP)
Labelling	see EC safety data sheet
Safety Guidelines	see EC safety data sheet
Disposal	see EC safety data sheet

For warnings see EC safety data sheet. The above information is the result of thorough research; previous information is hereby invalidated. Check for yourself whether the product is suitable for your purposes. Our possible liability is limited to the value of our product as such. We cannot accept any liability for indirect damage, in particular for the use or unusability of the product. No one is authorized to make recommendations or assurances on our behalf that go beyond the content of our information sheets.