

EGO HYBRID 815 STRUKTUR

is an elastic 1-component high-performance sealant on a hybrid basis with a very broad adhesion spectrum and optimum processing properties. For the special sealing of structural joints in accordance with DIN 18540. It is an early-strength, low-modulus joint sealant in accordance with DIN 18540-fb and DIN EN 15651-1 for façades with a grainy surface that adapts perfectly to the render structure.

CHARACTERISTICS

The product is characterized by the following properties:

compatible with paint · extremely high resilience · fungicide · odorless · adheres to damp substrates · isocyanate-free · solvent-free
virtually no shrinkage · blends in perfectly with textured or plastered surfaces · silicone-free · weather, ageing & UV-resistant

APPLICATION AREAS

EGO HYBRID 815 is suitable for long-lasting elastic joint sealing indoors and outdoors, especially for sealing structural joints in accordance with DIN 18540 as well as connection and expansion joints. EGO HYBRID 815 can be used for sealing cracks and holes on façades, interior walls and for painting work where silicone and/or isocyanate-free products are required.

Areas of application:

Concrete construction · Facade · Window connection joints · Interior fittings · Building construction · HVAC systems · Sanitary
Drywall construction · Painting work

Good adhesion to: [please note primer table]

Aluminum · concrete · various plastics · enamel · fiber cement · wood · ceramic · masonry · metal · plaster · PVC-hard

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

Bitumen · PE · PP · silicone · etc.

APPLICATION AREAS

- ① Clean the bonding surfaces with EGO REINIGER.*
- ② The bonding surfaces must be clean, dry, stable and free of dust and release agents.
- ③ Very good adhesion to many materials without primer.
- ④ EGO PRIMER is recommended on absorbent substrates for optimum adhesion properties.*
- ⑤ The object, material and ambient temperature should not exceed +35 °C during the curing time of the product.
- ⑥ Dry smoothing is recommended. Excessive use of smoothing agents can destroy the structure.
- * Notes:
 - Select cleaner depending on the substrate.
 - The joint dimensions to be sealed must comply with the relevant standards and regulations.
 - Adhesion and compatibility with other materials should be checked and tested for the individual objects.
 - Own tests or consultation recommended.

STANDARDS AND TESTS

EGO HYBRID 815 corresponds to the:

Standards according to:

- DIN 18540-fb
- DIN EN ISO 11600 F 25 LM
- DIN EN 15651-1 F 25 LM EXT-INT-CC
- DIN EN 15651-3 XS1
- DIN ISO 16936-2 [no discoloration on porous substrates without printing]

IVD data sheets:

- No. 1, 2, 9, 12, 16, 19-1, 24, 25, 27, 28, 29, 31, 35

The following tests were achieved by EGO HYBRID 815:

ift-certificate:

- Testing of the joint sealant EGO HYBRID 815 in accordance with DIN 18540

European conformity:

- CE marking declaration of performance LE/DoP-no. EGO4181123

Test certificate:

- for use in ventilation and air conditioning systems in accordance with VDI 6022 „Hygiene requirements for ventilation and air conditioning systems and devices“.

SUSTAINABILITY

VOC requirements:

- AgBB scheme
- french VOC class A+ and KMR regulation
- LEED certificate

BMS product verifications:

- LEED Building Design and Construction V4 (2015)
- BNB BN 2015 (quality level 5/5)
- BREEAM International New Construction 2016

SUSTAINABILITY

- DGNB New Buildings 2018 (quality level 4/4)
- Environmental Product Declaration (EPD):**
 - Sample EPD (Polyurethane and silane modified polymer based products, group 1)
- Material requirements for QNG / Sustainable Building Quality Seal:**
 - Adhesives and sealants in interiors incl. TGA according to BNB_BN_1.1.6, Annex 1, item 8 and QNG-313, items 4.1, 4.2
 - Adhesives and sealants for creating the airtightness of the façade in accordance with BNB_BN_1.1.6, Annex 1, Item 9 and QNG-313, Item 4.3



*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

TECHNICAL DATA

Specifications	Results	in accordance with
Material basis	SMP hybrid polymer, single-component	
Density	approx. 1.4 g/cm ³	DIN EN ISO 1183-1
Handling Temperature	+5 °C to +35 °C	
Temperature resistance	-30 °C to +90 °C	
Shore A Hardness	approx. 20	DIN EN ISO 868
Module / tensile stress	approx. 0.3 N/mm ²	DIN EN ISO 8339
Elongation at break	approx. 220 %	DIN EN ISO 8339
Acceptable total deformation	25 %	
Resilience	approx. 90 %	DIN EN ISO 7389
Volume shrinkage	approx. 2 %	DIN EN ISO 10563
Viscosity	stable	DIN EN ISO 7390
Skin formation time	approx. 30 min. [at 23 °C and 50 % RH]	
Vulcanisation	2-3 mm / 24 hours [at 23 °C and 50 % RH]	
Building Material Class	B2, normally flammable Euro-class E	DIN 4102 DIN EN 13501

AVAILABILITY AND STORAGE

Colors	<ul style="list-style-type: none"> ■ white ■ other colors on request
Packaging	<ul style="list-style-type: none"> ■ 290 ml cartridges [20 pieces/carton, 60 cartons/pallet] ■ 600 ml foil bags [20 pieces/carton, 30 cartons/pallet]
Storage	Original packaging is cool and dry storable (+15 °C until +25 °C, relative humidity <60%): <ul style="list-style-type: none"> ■ 12 months [cartridges, foil bags]

SAFETY INFORMATION

Complies with	Regulation (EC) No 1907/2006 (REACH)
Not hazardous according to	Regulation (EC) No 1272/2008 (CLP)
Not subject to labeling according to	Regulation (EC) No 1272/2008 (CLP)
Safety instructions	see SDS
Disposal instructions	see SDS

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.