

Product Verification

Sustainability

according to DGNB Gebäude Neubau 2018

Product Systems

MEZ-AEROSEAL Sealant

MEZ-TECHNIK GmbH

MEZ-AEROSEAL Sealant is the sealant that is used in aerosolized form in the MEZ-AEROSEAL process, for the subsequent sealing of already installed air handling systems from the inside out. MEZ-AEROSEAL can therefore be used on existing air ducts and on newly installed systems, reducing the airflow system leakage by more than 90% on average, and in the shortest possible time.



Product Assessment

Environmental Quality (ENV)

Criteria

Product Verification

ENV 1.2 Local environmental impact (Updated on: 16.07.2018)

Quality level 4 of 4

Legend: yes = Product contributes toward satisfying the credit, N/A = Product not relevant in the credit, no = Credit requirements are not proven

■ Summary

The product contributes to the certification:

- Achieved quality level in DGNB 2018 Criteria ENV 1.2 Local environmental impact for the entire product: Quality level 4 of 4

■ Product Properties

Ingredients:

Substance of VOC: 10,7 g/l

Emissions:

TVOC: 0,005 mg/m³

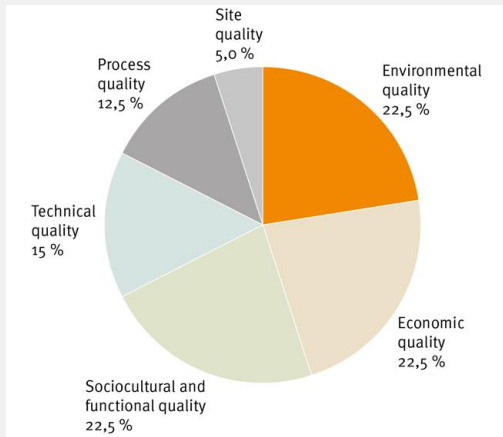
■ Green Building Certification System

The DGNB certification system was founded by the "German Sustainable Building Council" and first appeared on the market in 2008. The DGNB system evaluates buildings holistically on the basis of individual criteria within the categories Ecological Quality, Economic Quality, Sociocultural and Functional Quality, Technical Quality, Process Quality and Location Quality. Different profiles allow the certification of new buildings and existing buildings, as well as of quarters in Germany and Internationally. Buildings can achieve a certification in Bronze, Silver, Gold and Platinum. Up to now, more than 3,500 projects have been awarded by the DGNB (as of June 2018).

Source: www.dgnb.de

■ Certification System and Categories

Category Weighting



Category

Category considered in product verification

Environmental quality (ENV)	Yes
Economic quality (ECO)	No
Sociocultural and functional quality (SOC)	No
Technical quality (TEC)	No
Process quality (PRO)	No
Site quality (SITE)	No

Source: DGNB 2018

Detailed Verification

according to DGNB Gebäude Neubau 2018

■ Environmental Quality (ENV)

■ ENV 1.2 Local environmental impact (Updated on: 16.07.2018)

Achieved quality level in DGNB 2018 Criteria ENV 1.2 Local environmental impact for the entire product:

MEZ-AEROSEAL Sealant	Quality level 4 of 4
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Achieved quality level in DGNB 2018 Criterion ENV 1.2 Local environmental impact:

MEZ-AEROSEAL Sealant	Quality level 4
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Row 12: Adhesions of mechanically stressed joints over small areas; the areas glass construction, façade and fire protection are not considered here. Sealing compounds, sealing substances, adhesives for dot like and linear adhesions of components in the interior area. Acrylate sealing substances/adhesives and silicone sealing substances are what is meant here.

Achieved quality level in DGNB 2018 ENV 1.2 Row 12 for the entire product:

MEZ-AEROSEAL Sealant	Quality level 4
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Achieved quality level in DGNB 2018 ENV 1.2 Row 12:

MEZ-AEROSEAL Sealant	Quality level 4
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The product falls under: Acrylate sealing substances/adhesives and silicone sealing substances for adhesions of mechanically stressed joints over small areas (DGNB ENV1.2 Row 12):

MEZ-AEROSEAL Sealant	Yes
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Content of chlorinated paraffin (= CP) < 0.1 %:

MEZ-AEROSEAL Sealant	Yes
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Content of solvent < 1 %:

MEZ-AEROSEAL Sealant	Yes
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Content of hydrocarbon (KWS) plasticizer < 0.1 %:

MEZ-AEROSEAL Sealant	Yes
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Row 13: Assembly adhesives and sealants on the facade, windows and exterior doors (provided by the customer). - Adhesive for the production of airtightness on the facade inside and outside: e.g. PU, PU hybrid, MS polymer, SMP or similar.

Achieved quality level in DGNB 2018 ENV 1.2 Row 13 for the entire product:

MEZ-AEROSEAL Sealant	Quality level 4
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Achieved quality level in DGNB 2018 ENV 1.2 Row 13:

MEZ-AEROSEAL Sealant	Quality level 4
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The product falls under: Assembly adhesives and sealants (e.g. PU, PU hybrid, MS polymer, SMP or similar) on the facade, windows and exterior doors (DGNB ENV1.2 Row 13):

MEZ-AEROSEAL Sealant	Yes
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Content of VOC < 1 %:

MEZ-AEROSEAL Sealant	Yes
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Content of halogenated propellants < 0,1 %:

MEZ-AEROSEAL Sealant	Yes
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Certified with EMICODE EC1/EC1PLUS, EC1-R/EC1PLUS-R:

MEZ-AEROSEAL Sealant	No
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Certified EMICODE standard:

MEZ-AEROSEAL Sealant	no entry
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Certified with Indoor Air Comfort Gold:

MEZ-AEROSEAL Sealant	No
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Row 42: Flame-retardant construction products (mixtures) - Technical fire protection, bonding or sealing in interiors, PU assembly adhesive: fireproof fillers, fire protection coatings for cables, fire protection silicones, PU assembly adhesive for insulation materials (EPS, XPS, PUR).

Achieved quality level in DGNB 2018 ENV 1.2 Row 42 for the entire product:

MEZ-AEROSEAL Sealant	Quality level 4
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Achieved quality level in DGNB 2018 ENV 1.2 Row 42:

MEZ-AEROSEAL Sealant	Quality level 4
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The product falls under: Flame-retardant construction products (mixtures) - Technical fire protection, bonding or sealing in interiors, PU assembly adhesive: fireproof fillers, fire protection coatings for cables, fire protection silicones, PU assembly adhesive (DGNB ENV1.2 Row 42):

MEZ-AEROSEAL Sealant	Yes
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Content of substances of very high concern (= SVHC) according to REACH < 0.1 %:

MEZ-AEROSEAL Sealant	Yes
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■ Contact Details Manufacturer

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■ Disclaimer

This verification is the evaluation and ranking of products in terms of the certification system DGNB 2018 (New construction building). The DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen) generally does not certify products. Therefore the project team or the manufacturer is responsible to declare compliance with respect to the DGNB criteria. Notice: This verification is generated by the Assessment Service of BMS. The distribution or publication by third parties is not permitted. The data sheet is not a DGNB certification document. The information is based on the manufacturer's specifications. Despite a diligent treatment of all information BMS can not make any warranties about the completeness, reliability and accuracy of this information. The requirements of DGNB can be interpreted differently and depend on the project and scope of application. Therefore, BMS cannot accept any liability for the evaluation in terms of the DGNB criteria. The user of the data sheet, the user / purchaser of the product and the consultant / planner, who is advising on this product has the duty to check the product for the intended application at their own responsibility. When a new version of this product verification is produced, the previous version loses its validity.