

Product Verification

Sustainability

according to DGNB Gebäude Neubau 2018

Product Systems

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT

NMC S.A.

CLIMAFLEX® STABIL: pipe insulation with a robust protective coating, likewise on the basis of NMC Naturefoam® polyethylene which contains at least 50 % of renewable raw materials; wall thicknesses 4, 9, 13, 20 & 25 mm, Euroclass E

EXZENTROFLEX® COMPACT: excentric insulation with a robust protective coating for the lowest installation height and even tighter pipe laying; insulating thicknesses 9, 25, 38 & 46 mm, Euroclass E



Product Assessment

Environmental Quality (ENV)

Criteria

Product Verification

ENV 1.1 Life Cycle Assessment of the Building (Updated on: 16.07.2018)	EPD available: Yes
ENV 1.2 Local environmental impact (Updated on: 16.07.2018)	Quality level 3 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:

- The product has an Environmental Product Declaration (EPD), which can be used to calculate the building life cycle assessment (ENV1.1/2.1): EPD available: Yes
- Achieved quality level in DGNB 2018 Criteria ENV 1.2 Local environmental impact for the entire product: Quality level 3 of 4

■ Ecolabels & Product-Assessments

EPD Eco Platform

EPD Institut Bauen und Umwelt e.V.



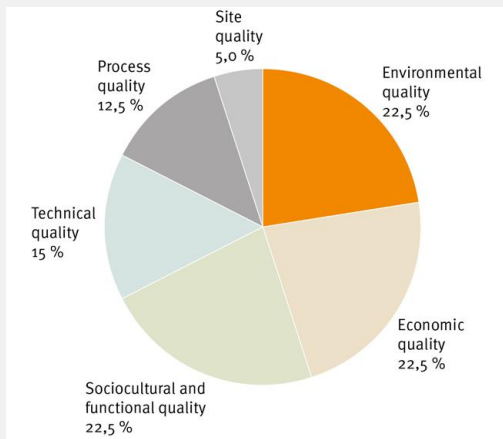
■ Green Building Certification System

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 1.1 Life Cycle Assessment of the Building (Updated on: 16.07.2018)

The product has an Environmental Product Declaration (EPD), which can be used to calculate the building life cycle assessment (ENV1.1/2.1):

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	EPD available: Yes
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An environmental product declaration exists for the product:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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EPD Owner of the Declaration:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	NMC S.A.
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EPD Publisher:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Institut Bauen und Umwelt e.V. (IBU)
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EPD Programme holder:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Institut Bauen und Umwelt e.V. (IBU)
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EPD Declaration number:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	EPD-NMC-20170102-IBD1-EN
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EPD Issue date:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	07.09.2017
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EPD valid to:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	06.09.2022
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■ 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:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Quality level 3 of 4
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Achieved quality level in DGNB 2018 Criterion ENV 1.2 Local environmental impact:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Quality level 3
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Row 35: Plastics for covering surfaces (floor and wall) and components on the façade - Elastic floor coverings are taken into consideration (PVC, rubber etc.), wall coverings, Skylights, plastic windows, soundproofing inserts.

Achieved quality level in DGNB 2018 ENV 1.2 Row 35 for the entire product:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Quality level 4
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Achieved quality level in DGNB 2018 ENV 1.2 Row 35:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Quality level 4
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The product falls under: Plastics for covering surfaces (floor and wall coverings) and components on the façade (Skylights, plastic windows, soundproofing inserts) (DGNB ENV1.2 Row 35):

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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Content of lead < 0.1 %:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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Content of tin < 0.1 %:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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Row 40: Plastic foam insulating materials for buildings and building services PS/XPS/PUR-insulating products, flexible technical building equipment insulation (rubber and PE)

Achieved quality level in DGNB 2018 ENV 1.2 Row 40 for the entire product:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Quality level 4
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Achieved quality level in DGNB 2018 ENV 1.2 Row 40:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Quality level 4
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The product falls under: Plastic foam insulating materials (PS/XPS/PUR, rubber and PE) (DGNB ENV1.2 Row 40):

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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Free from halogenated propellants:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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Row 41: Foam insulating materials (building and building services including heating and cooling surfaces) - PS / XPS, PUR / PIR, Resol boards.

Achieved quality level in DGNB 2018 ENV 1.2 Row 41 for the entire product:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Quality level 4
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Achieved quality level in DGNB 2018 ENV 1.2 Row 41:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Quality level 4
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The product falls under: Foam insulating materials (PS / XPS, PUR / PIR, Resol boards) (DGNB ENV1.2 Row 41):

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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Free of hexabromocyclododecane (= HBCD):

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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Row 43: Flame-retardant construction products (products) - Insulation materials of domestic technology and wall coverings (fiberglass wallpaper, non-woven fabric, decorative nonwovens, etc.).

Achieved quality level in DGNB 2018 ENV 1.2 Row 43 for the entire product:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Quality level 3
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Achieved quality level in DGNB 2018 ENV 1.2 Row 43:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Quality level 3
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The product falls under: Flame-retardant construction products (products) - Insulation materials of domestic technology and wall coverings (fiberglass wallpaper, non-woven fabric, decorative nonwovens, etc.) (DGNB ENV1.2 Row 43):

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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Content of chlorinated paraffin (= CP) < 0.1 %:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	No
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Free of chlorinated paraffins (CP):

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	No
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Content of polybrominated biphenyls (= PBB) < 0.1 %:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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Free of polybrominated biphenyls (= PBB):

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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Content of polybrominated diphenyl ethers (= PBDE) < 0,1 %:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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Free of polybrominated diphenyl ethers (= PBDE):

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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Content of substances of very high concern (= SVHC) according to REACH < 0.1 %:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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Free of substances of very high concern (= SVHC) according to REACH:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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The product belongs to building material class B1:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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Use of only long-chain chlorinated paraffins (LCCP):

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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Row 44: Plastic products - Exterior and roof waterproofing, Wall coverings, Windows, Electric cables: Plastic films, Wall coverings, Wallpapers, Plastic windows, Cable sheathing.

Achieved quality level in DGNB 2018 ENV 1.2 Row 44 for the entire product:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Quality level 4
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Achieved quality level in DGNB 2018 ENV 1.2 Row 44:

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Quality level 4
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The product falls under: Plastic products - Exterior and roof waterproofing, Wall coverings, Windows, Electric cables: Plastic films, Wall coverings, Wallpapers, Plastic windows, Cable sheathing (DGNB ENV1.2 Row 44):

CLIMAFLEX® STABIL & EXZENTROFLEX® COMPACT	Yes
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■ Contact Details Manufacturer

NMC S.A.

Gert-Noël-Straße
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BE
www.nmc-insulation.com

Contact Person: Robert Christiaans



■ 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.