Technical Data Sheet

Version 12/2021

Dichtkleber F

Product Description

Physically drying, solvent-free, one-component adhesive based on synthetic resin dispersion. Cures by drying.

Product Properties

- excellent adhesion to polyolefins e.g. polyethylene
- water-based
- very high flow resistance
- no stringing
- paintable
- ready-to-use
- foil adhesive, suitable for additional sealing of HANNO foil tapes type FI Easy, FA Easy and Duo Easy, etc.
- for bonding of vapor barrier sheeting
- gluing and sealing with the same product
- resistant to aging
- UV resistant
- temperature resistant from -20 °C to +80 °C
- very low emission - EMICODE EC1Plus
- almost odorless
- solvent-free
- silicone-free
- phthalate-free
- isocyanate-free
- halogen-free
- also processable at low temperatures
- frost resistant after curing

Areas of Application

Bonding of foil tapes in the area of building joints between windows and masonry. This adhesive is recommended for the bonding of foil tapes such as FA Easy, FI Easy and Duo Easy. Good adhesion also on Hannoband. Helps to minimize minor unevenness of the substrate. For attic conversion, wind locks or steam brakes can be glued, foils repaired and pipe penetrations sealed. Good adhesion to PP barrier sheets. Not suitable for continuous exposure to moisture.

INSEBO®
SOLUTIONS THAT MATTER

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Form of Delivery

Cartridge:	300 ml
Alu bag:	600 ml
Packing unit:	20 pieces per box

Substrates

Suitable substrates:

plaster, concrete, aerated concrete, mortar, masonry, brick, clinker, cement, fiber cement, plasterboard, wood, wood chipboard, lacquered, glazed or impregnated wood, wood fiber boards, corrosion-protected metals, many plastics

Unsuitable substrates:

tar, bitumen-containing substrates, glass, silicone, natural stones

Instructions for Use

The adhesive surfaces must be clean, dry, free from release agents and firm. Dust, grease, oil and loose parts must be removed before processing. The substrate may be moist but must not be wet. For porous and absorbent substrates, the adhesive surfaces should be precoated with water diluted adhesive (1 part of adhesive and 2 parts of water). Allow this primer coating to dry, and apply the adhesive onto the still slightly moist substrate. Due to a possible processing at -5 °C, be sure to observe icing. Ice forms a separating layer! We advise to carry out a suitability test for the large number of substrates, building materials and/or coatings used today, especially for plastics, paintings and powder coatings. Tar and bitumen-containing substrates can lead to color changes of the mass and affect the adhesion.

Cut off the cartridge nipple with a sharp knife. Screw the nozzle onto the cartridge and cut it to the desired width. Insert the cartridge into the ejector gun and apply the adhesive in the form of strings or in a punctiform manner, never on full-faced. Special attention must be paid to ensure that the foil is pressed into the still fresh adhesive, so that a thickness of at least 2 mm is guaranteed. Do not apply bonding in areas where standing water may occur. For non-absorbent substrates, water evaporation must be possible.

Increased ambient air humidity has to be removed by means of consistent and constant ventilation. The drier the surrounding area the faster the complete drying process. Cured adhesive can only be removed mechanically or with solvents. It is necessary to check whether a subsequent application of paint on the adhesive is compatible. Some paints can lead to changes of the color of the glue and affect the adhesion. The material consumption depends on the texture/roughness of the bonding surfaces/substrates. Guidance value: 250 up to a maximum of 500 g/m². Adhesive thickness: min. 2 mm.

The reaction time depends on temperature as well as air and substrate humidity. The final strength of the bond is achieved after several days. Do not use the adhesive in earth or permanent moist areas. Since the full hardening of the adhesive depends on the evaporation of the content water, it must be guaranteed that at least one of the bonding surfaces is sufficiently absorbent or that air channels are present so that the content water can evaporate.

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Store cartridges cool and dry. Higher temperatures shorten shelf life.

Technical Data

Characteristics	Standard	Value
Classification according to	EN 15651-1 (facade elements)	20 LM
Density	EN 1183-1	1.05 ± 0.1 g/cm³
Fire behavior	EN 13501-1	class E
Curing at 25 °C with moisture drainage through substrates		1 - 2 mm/day
Adhesion (bond strength) to PE film, concrete, brick, wood, aerated concrete	EN 1939	at least 20 N/25 mm
Open time at normal climate (23 °C, 50% RLF)		ca. 30 min.
Temperature resistance (cured mass)		-20 to +80 °C
Processing temperature		-5 to +40 °C
Shelf life (dry, at 0* to +25 °C) *max. 2 weeks at -5°C possible		24 months

Safety Instructions

Please refer to our safety data sheet and the product label for further information on product safety and handling.

Current safety data sheets and further information on our products can be found at www.insebo.com.

Service

Upon request, our trained sales representatives are always at your disposal.

Disposal

For disposal instructions please refer to our safety data sheet and product label.

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Additional Information

This technical data sheet advises without obligation and guarantee. The mentioned processing instructions have to be adapted to the prevailing conditions. The user is obliged to check the suitability and application by own experiments in order to avoid failures.

All given descriptions, data, ratios, weights, etc. can change without notice and do not represent contractually agreed properties of the product. Existing laws, standards and regulations are to be observed by the recipient of our products in their own responsibility.

Due to the large number of possible influences during processing and application, a guarantee of certain properties or suitability for a specific application can not be made, own tests are necessary.

The right to make technical changes is reserved.

Test Certificates

GEV-EMICODE:	**EC1^{Plus} - sehr emissionsarm**
Testing institute:	GEV Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.
Test report:	7908/02.04.14
Int. PZ-no.:	DM76

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