PRODUCT DATA SHEET

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WINGLUE FAST

DESCRIPTION OF THE PRODUCT

WINGLUE FAST is an adhesive based on bitumen compounds modified with special synthetic polymers. The product is completely free from organic solvents, ensuring the absence of environmental impact related to solvent emissions.
Formulated by WINKLER Research & Development Laboratories

FIELDS OF USE

WINGLUE FAST is an adhesive suitable for horizontal applications and for vertical upstands (maximum height 40-50 cm), excluding external façades, for bonding bituminous membranes and insulation panels where the use of a flame is not possible or desired. It ensures complete adhesion to concrete substrates, cementitious screeds, wood, existing and new smooth or slate-surfaced bituminous membranes, as well as to insulation panels.

To ensure full adhesion of the waterproofing layer, the use of bituminous membranes sanded on both sides is recommended. In the case of self-protected membranes, the bonding surface must be treated by sandblasting prior to application.

WINGLUE complies with **UNI 11442** "Criteria for the Design and Execution of Continuous Roofing Systems", for applications where a cold-bonding requirement is specified for the entire roofing system or part thereof.

SURFACE PREPARATION

WINGLUE FAST offers excellent impregnating performance; however, the substrate must be carefully prepared by removing dust, loose or friable materials, and any and foreign substances. The product must be applied to a completely dry surface; application on damp substrates will significantly extend the drying time.

RECOMMENDATIONS

Do not add any additives.
Do not use the product if the packaging is damaged.
Do not add water or solvents.

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WARNINGS

The product must be applied on fully dry substrates at temperatures between +5°C and + 35°C. Do not apply the product on frozen surfaces, on substrates subject to night frost, or during rainy or wet weather conditions. Wind, as well as high and low temperatures, can significantly shorten or extend the application times.

APPLICATION

The product is ready to use and must not be diluted with water or any other solvent.
It must be applied using a roller or brush, ensuring a uniform and consistent layer.

On absorbent substrates, installation of the bituminous membrane and/or insulation panels may be carried out immediately; in any case, do not exceed 30 minutes.

On low-absorbency substrates and/or membranes, the time required to achieve surface drying depends on the porosity of the substrate and on climatic conditions. Indicatively, on low-porosity substrates at 20°C, the membrane may be applied after 30 minutes, but no later than 1 hour.

Due to the wide range of substrates and environmental conditions, it is recommended to perform a preliminary test to determine the exact drying time required before membrane installation.

Overlapping of bituminous membrane joints can be sealed with **WINSEAL**.
For the installation of insulating panels, the maximum allowed panel size is 125x125 cm



LEGEND:

1. Substrate.
2. **ECOIMPRIMER** Bituminous primer.
3. **COVERBLOCK 4 mm**, vapor barrier
4. **WINGLUE UNIVERSAL** for bonding the thermal insulation panels.
5. Thermal insulation panel.
6. **WINGLUE UNIVERSAL** for bonding the under-tile membrane.
7. **COVERGUM SPECIAL MINERAL,** bitumen-polymer membrane.
8. Cap washer.

winkler® Advanced Building Material

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CONSUMPTION
0.600-0.800 kg/m² on non-porous, undamaged substrates (membranes, panels)
1.000-1.250 kg/m² depending on substrate unevenness

PACKAGING
5-20 kg buckets

STORAGE
The product in its original and undamaged packaging, can be stored for up to 12 months. Store at temperatures between +5°C and 35 °C. The product is not frost-resistant.

SAFETY INSTRUCTIONS

PRECAUTIONS
For safety information, the user must refer to the latest Safety Data Sheet (SDS), prepared in accordance with applicable regulations. The SDS contains detailed information on the physical, toxicological, and safety characteristics of the product.

DISPOSAL AND ENVIRONMENTAL PRECAUTIONS
Do not release the product or empty containers into the environment. For detailed disposal instructions, refer to the most recent Safety Data Sheet (SDS).

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TECHNICAL FEATURES
(average value)

FEATURES	RESULTS
Appearance	Fluid, viscous
Colour	Brown (turns black when dry)
pH	8.5 ± 0.5
Waiting time at +20°C	Immediate installation on porous substrates
Density at +20°C	1.20 ± 0.05 g/cm^3
Solid content	75 %

PRODUCT PERFORMANCE IN SERVICE

FEATURES	RESULTS
Adhesion: WINGLUE FAST + Insulating panels	Constant delamination of insulating panels observed
Adhesion: WINGLUE FAST+ Bitumen-polymer Membranes	Average value: 1.30 MPa

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VOLATILE ORGANIC COMPOUNDS EMISSION

PARAMETER	MAX. ALLOWED CONCENTRATION (µg/m³)
TVOC after 3 days	≤ 750
TVOC after 28 days	≤ 60

Test performed by the EUROFINS Institute according to EN 16516, ISO 16000-3/6/9/11 and ASTM D5116-10. Test report n. 392-2017-00404102_G_EN_02.

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