Okatmos® star 150 Plus

Pressure Sensitive / Releasable Adhesive

- Solvent-free for safer, eco- friendly application
- Effortless application with excellent spreadability
- Ideal for LVT, planks and carpet tile
- Offers both releasable and permanent bond installation options
- Compatible with most resilient floor coverings
- Extremely low VOC for improved indoor air quality
- Low-Emission Certified: EMICODE EC 1Plus classification ensures very low VOC emissions,
- supporting healthy indoor air quality
- Enhanced with Kiesel Breathe Easy Technology and anti-microbial protection
- VOC - 11.6 g/l

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DESCRIPTION

A high-tack, pressure-sensitive acrylic polymer-based fixation formulated for easy application by trowel or roller. Ideal for removable carpet tiles with felt, fleece, or textile backings. Provides excellent initial grab and reliable performance across a range of resilient flooring types.

Recommended Applications:

- LVP / LVT (Luxury Vinyl Plank / Tile)
- VCT (Vinyl Composition Tile)
- Vinyl-backed carpet tiles

Approved substrates:

- Cementitious screeds that are clean, dry, structurally sound, and prepared in accordance with relevant industry standards
- Floor-levelling compounds (cement-based or gypsum-based) applied over suitable subfloors to correct surface irregularities
- Properly prepared metal substrates
- Existing resilient floor coverings (e.g., linoleum and ceramic tile), provided they are securely bonded and free of waxes, finishes, or bond-inhibiting contaminants

SUBSTRATE PREPARATION

All substrates must meet the requirements of VOB Part C, DIN 18 365 and relevant local installation standards.

- Substrates must be clean, flat, dry, structurally sound, and free from dust, oil, grease, waxes, curing compounds, sealers, paint, and any other bond-inhibiting residues.
- Surface irregularities, including cracks, holes, high spots, or uneven transitions, must be corrected using a cement-based, polymer-modified patching or leveling compound, applied per the manufacturer's instructions.
- Highly absorbent substrates must be primed using **Okatmos® UG 30**, **Okatmos® DSG**, or **Okatmos® EG 20** to regulate porosity and prevent premature adhesive absorption.
- Moisture levels must be tested and documented prior to installation. Acceptable levels are:
  - o ≤ 10 lbs/1000 ft^2/24 hrs (per ASTM F1869 – Calcium Chloride Test)
  - o ≤ 90% RH (per ASTM F2170 – In-situ RH Test)

Maintain a consistent ambient temperature of +17°C to +30°C (63°F to 85°F) and relative humidity between 30–50% before, during, and after installation.

PROCESSING

Application Guidelines

1. Mix thoroughly before use if product separation has occurred.
2. Maintain ambient conditions between +17°C and +30°C (63°F to 85°F) and relative humidity between 30–50% throughout application and curing.
3. Apply adhesive using a suitable roller or a 1/32" x 1/16" x 1/32" U-notch trowel, depending on the substrate and installation requirements.

Installation Over Absorbent Substrates

- For a permanent bond, place the flooring into the adhesive within the flash time, while it is still wet or semi-wet.
- For a releasable bond, allow the adhesive to dry to a clear, tacky film before installing the flooring.

Installation Over Non-Absorbent Substrates

- Always allow the adhesive to fully dry to a tacky state before placing the flooring.
- Once dry, press the flooring into place and roll immediately to ensure full adhesive transfer.

Drying & Working Times (at 20°C / 68°F, 65% RH)

Installation Type	Flash/Tack Time	Working Time
Permanent (Wet-set)	Up to 20 minutes (flash)	Up to 40 minutes
Releasable (Tack-set)	45–60 minutes (tack)	8–14 hours

Note: Higher temperatures and lower humidity will reduce flash and working times. Lower temperatures and higher humidity will extend them.

Post-Installation

- Roll flooring with a 100-lb (45 kg) three-section roller or as recommended by the flooring manufacturer.
- Avoid foot traffic and heavy rolling loads for 24 hours to allow for proper adhesive curing.

SPECIFICATIONS

Color	White
Application	Interior use only
Substrate temperature	+15°C to +30°C / 63°F to 85°F
Floor heating system	Suitable
Vapor permeability	≤ 10 lbs (ASTM F1869) / ≤ 90% RH (ASTM F2170)
Cure time*	8-10 hours

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Processing time*

Application Type	Flash-Off / Tack Time	Working Time
Permanent (Wet-Set)	Up to 20 minutes	Up to 40 minutes
Releasable (Tack-Set)	Tack Time: 45 minutes	12–14 hours
Full-Tack Method (General)	Tack Time: 45–60 minutes	Up to 8 hours

EMICODE	EC 1^{Plus} (very low emission – GEV)
GISCODE	D 1 (TRGS 610 compliant)
VOC-marking	1,6 g/L
Storage	12 months, frost-free conditions

* At 68 °F (+20 °C) and 65% relative humidity. Higher temperature and low humidity decreases, lower temperature and high humidity increases this value respectively.

IMPORTANT NOTICE

Shelf Life & Storage

- Shelf Life: 12 months from date of manufacture
- Storage Conditions: Store in a cool, dry, frost-free environment in the original, tightly sealed packaging
- Protect from extreme temperatures and direct sunlight
- Do not allow product to freeze

COVERAGE

Trowel size	Covering type	Coverage
Moltopren/velour or short pile lambskin roller	LVT and Plank SPC/WPC Flooring Carpet Tile	approx. 212–335 ft2 per gallon
Round notch 1/16" x 1/32" x 1/32"	LVT and Plank SPC/ WPC Flooring	approx. 158-208 ft2 per gallon
Round notch 1/16" x 1/16" x 3/32"	Flooring (porous substrate): LVT and Plank SPC/ WPC Flooring	approx. 136-153 ft2 per gallon

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Square notch 1/16“ x 1/16“ x 1/16“	Flooring (porous substrate): LVT and Plank SPC/ WPC Flooring Vinyl Composition Tile Carpet Tile	approx. 106-158 ft2 per gallon

Coverage may vary based on substrate texture, porosity, and application technique.

CLEANING

Clean tools and equipment immediately after use with clean water. Do not allow adhesive to dry on tools.

PACKAGING

Description	Item No.
33 x 15 kg / 3.35 U.S. gal / 12.7 Liters plastic pail pale	80169

The aforementioned information, especially the proposals for processing and utilizing our product, is based on our knowledge and experience. We recommend that you carry out your own tests in every case to ensure the suitability of our products for the intended process and processing purposes because of the different materials and the working conditions which lie beyond our area of influence. No liability can be derived from this advice or from verbal advice, unless we are responsible for (criminal) intent or gross negligence in this respect.

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