Okatmos® star 200

Wet- and Pressure Sensitive Adhesive

- 100 % solvent free, EC1 Plus very low emission formulation—ideal for projects demanding superior indoor air quality
- Different application modes: wet bed, pressure sensitive, or contact bond (double drop) for maximum job site flexibility
- Smooth, effortless troweling with excellent workability
- Integrated antimicrobial protection that suppresses odor causing microbes at the adhesive interface
- Broad material compatibility: homogeneous & heterogeneous vinyl, LVT, rubber (≤ 4 mm / 5/32 in.), linoleum (≤ 3.2 mm / 1/8 in.) and most textile backings
- 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 - 11.7 g/l

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DESCRIPTION

- 100 % solvent-free, EC1-PLUS very-low-emission adhesive for projects where indoor-air quality is critical.
- **Wide compatibility:**

- Vinyl sheet and plank (homogeneous & heterogeneous)
- Rubber flooring ≤ 4 mm
- Linoleum ≤ 3.2 mm
- Textile floorings with PVC-, latex-, or PUR-backing
- Flexible application: traditional semi-wet-bed, pressure-sensitive or double-drop contact bonding.
- Hygienising formulation inhibits microbial growth within the adhesive layer, preventing odors from developing between the flooring and the substrate.

SUBSTRATE PREPARATION

1. Confirm readiness
a. Assess the substrate in accordance with all applicable national standards and the BEB datasheet "Evaluation and Preparation of Substrates."
b. The surface must be solid, dry, clean, and free of laitance, dust, oil, grease, or any bond-inhibiting residues.
c. Always perform a bond test on substrate

2. Prime where required – select the primer that matches the substrate's absorbency and moisture profile:
a. **Okatmos® EG 20** – standard, absorbent screeds and concrete
b. **Okatmos® UG 30** – dense or weakly absorbent substrates
c. **Okatmos® DSG** – moisture-regulating primer for critical calcium-sulphate screeds
d. **Okamul PU-V Rapid** – rapid, polyurethane moisture barrier/primer
e. **Okapox GF** – two-component epoxy primer for highly stressed or residual-moisture substrates

3. Levelling and smoothing
a. Use a suitable Kiesel self-levelling compound to correct uneven areas or to create an absorbent layer over non-absorbent substrates.
b. When installing over vapour-tight coverings, build up the levelling compound to the minimum thickness specified in the compound's datasheet to ensure reliable adhesion and moisture management.

Following these steps will provide an ideal, load-bearing surface for subsequent adhesive application and floor-covering installation.

PROCESSING

- Apply adhesive with the specified notched trowel (see Coverage table) in a uniform layer.
- Allow the adhesive to reach its initial tack (working time varies by method).

- Lay the covering, allowing entrapped air to off-gas; roll and rub down firmly across the entire surface.
- If the covering lifts after rolling, wait about 30 minutes, then re-roll.
- Wait at least 24 hours before welding or sealing joints.
- Separation is unlikely, but if any settling is visible, stir until no streaks remain.

SPECIFICATIONS

Color	Cream white
Minimum floor temperature	+15 °C / 59 °F
Flash-off time*	After approx. 5 - 40 minutes
Open time (working)	After approx. 5 – 120 min
Loadable*	Ready for light traffic after approx. 24 hours
Final strength*	After approx. 72 hours
Chair caster suitability	Suitable
Floor heating system	Compatible
GISCODE	D 1 according to TRGS 610
EMICODE	EC 1^{Plus} (very low emission)
VOC-marking	11,7 g/L
Storage	12 months (store in a climate-controlled facility)

* 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

- Acclimatise all floor coverings to on-site temperature and humidity before installation.
- Record substrate moisture and ambient temperature/relative-humidity readings in accordance with local standards before you begin.
- For areas exposed to heavy mechanical loads or extreme temperatures, switch to **Okamul PU** or consult Kiesel Technical Support for a suitable alternative.

COVERAGE

Covering type	Notch (TKB)	Consumption

Vinyl, rubber	A2 A5 B1	approx. 250 - 300 g/m² - 503–603 ft² per unit approx. 200 - 250 g/m² - 603–753 ft² per unit approx. 300 - 350 g/m² - 431–503 ft² per unit
Vinyl, Linoleum, textile coverings	CS-9 #25 *should add sf per pail 440 with cs-9	approx. 340 g/m² - 440 ft² per unit

Actual consumption depends on substrate texture, levelling compound, and application method.

CLEANING

Clean-up: remove adhesive residues from tools and equipment with water immediately after use. Wipe any excessive adhesive off floor covering with damp sponge.

PACKAGING

Description	Item No.	
14 kg/ 3.14 U.S. gal/ 11.9 Liters plastic bucket	49112	4015705491127

SAFETY NOTICE

- **Ventilation:** Even though the product's VOC emissions are very low, keep the work area well-ventilated during application and curing.
- **Personal protection:** Avoid ingestion, inhalation, and contact with eyes or skin. If contact occurs, rinse immediately with clean water.
- **Environmental protection:** Do not allow the product to enter drains, surface water, or soil.
- **Disposal:**
  Liquid residues → dispose of as hazardous waste.
- Fully-hardened residues → dispose of as inert commercial waste.
- **Biocide content:** Contains methylisothiazolinone (MIT) and benzisothiazolinone (BIT). Allergy information: +49 711 93134-0.
- **Storage:** Keep out of reach of children.

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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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