Okatmos® star 200-SD

Conductive Premium Multipurpose Adhesive

- Conductive – compliant with DIN EN 13415
- Versatile Application – suitable for a wide range of conductive floor coverings
- Excellent Workability – smooth, consistent troweling and easy handling on-site
- Hygienizing Effect – helps inhibit odor-causing microbial activity at the adhesive interface
- 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

Properties and Usage:

Okatmos® star 200-SD is a high-performance, solvent-free dispersion adhesive with very low emissions, specifically formulated for conductive applications. Excels at bonding conductive floor coverings such as:

- Textile coverings (e.g., carpets and needle-felt)
- Both homogeneous and heterogeneous PVC coverings in plank or sheet goods
- Linoleum
- Rubber coverings up to 4 mm thick

SUBSTRATE PREPARATION

The substrate must be tested and ready for laying in accordance with VOB, Part C, DIN 18365 as well as the best available technology. Prepare the substrate pursuant to the current BEB data sheet, "Assessment and preparation of substrates", as well as data sheet TKB 8. Depending on the type of substrate, floor covering and load, prepare it for laying using suitable Kiesel primers/pre-coats and fillers.

The technical data sheets for the products used must be observed. The conductive system must be requested from the covering manufacturer. This system configuration must be guaranteed.

PROCESSING

Stir **Okatmos® star 200-SD** well before use. Then apply the adhesive to the substrate using the appropriate trowel. Replace the notched trowel provided when starting a new container. This guarantees even adhesive application and appropriate conductivity.

Depending on the conductive system, a minimum of 1 m long copper stripping must be laid with the adhesive layer for every 30 m^2 surface size and lead to an ground connection, or lay the copper strips wall to wall along and centrally under each tile or sheet row and connect them to one another with a wall distance of approximately 30 cm across. The copper stripping must be connected/earthed by an electrician in accordance with the VDE regulation.

Lay the floor covering without air pockets and rub carefully depending on the room climate, order quantity and absorbency of the substrate. Only apply as much adhesive as can be filled in the working time. Ensure that the backing of the covering is fully applied. Only weld or seal the floor coverings 24 hours after laying.

For floor covering with high roll tension, back roll the head end or covering edges not horizontally lying flat before laying. After 30 minutes, rub down or roll the surfaces again.

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Particular attention should be paid to the laying instructions from the covering manufacturer, most notably the notes on conductive transfer and acclimatisation.

Not to be handled in intense, direct sunlight!

SPECIFICATIONS

Color	Cream white
Application	Interior use
Chair caster suitability	Suitable for installations subjected to chair castors (per DIN EN 12529)
Minimum floor temperature	+15 °C
Flash-off time*	Approximately 10–30 minutes
Open time (working)	Approximately 40 minutes
Fully loadable*	Initial Load bearing achieved after approximately 24 hours
Final strength*	Achieved after approximately 72 hours
Conductive Resistance	Less than 3 × 10^5 Ohm (according to DIN EN 13415)
GISCODE	D1 (per TRGS 610)
EMICODE	EC 1^{Plus} (very low emission)
VOC-marking	1,6 g/L
Storage	Store in a climate-controlled area; shelf life is 12 months when stored at +20 °C and 65% RH

* * At + 20 °C and 65 % relative humidity. Higher temperatures and lower humidity shorten this value, lower temperatures and higher humidity extend it accordingly.

IMPORTANT NOTICE

Please refer to the full Technical Data Sheet for detailed substrate preparation and application instructions; following these guidelines ensures optimal performance and compliance with all environmental and safety requirements.

The floor coverings must be sufficiently relaxed and acclimatised prior to laying and matched to the present room climate for later use. The appropriate information and notes from the covering manufacturer must be observed.

High roll tensions, turned-up edges or warped coverings, creases or wrinkles should be weighed down during the laying process until the adhesive has set.

The generally recognised rules of the trade and technology as well as the relevant current standards and data sheets should be followed when laying the floor covering.

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COVERAGE

Covering type	Trowel size	Consumption
Homogeneous and heterogeneous PVC coverings in sheets and tiles Rubber flooring up to 4 mm thick in sheets and tiles	Kiesel Special Trowel F/L	covers approx. 86–100 ft^2 per US gall. / 300–350 g/m^2 per U.S. gall.
Linoleum Textile coverings	Kiesel Special Trowel G/L	covers approx. 62–70 ft^2 per US gall. / 450–500 g/m^2 per U.S. gall.

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

CLEANING

Clean tools immediately with water.

PACKAGING

Description	Item No.	
14 kg/ 3.14 U.S. gal/ 11.9 Liters plastic bucket	49122	4015705491226

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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