

Dispersion based moisture barrier primer

# Okatmos® DSG



- for absorbent and non-absorbent substrates
- quick-drying
- solvent-free and very low emissions
- sanitising characteristics
- high bond strength
- interior use
- as a moisture barrier against increased humidity in unheated cementitious substrates
- protection of the calcium sulphate screed against moisture

## Product Description

Solvent-free, sanitizing moisture barrier and primer with high bond strength for well prepared substrate. For absorbent and non-absorbent substrates to use before levelling, sealing, thin-bed tile installation or the installation of textile/flexible floor surfaces and parquet/engineered wood flooring.

**Okatmos® DSG** can be used as moisture controlled dispersion primer on cementitious substrates such as cement screeds or concrete barrier against excessive moisture.

- Residual moisture of up to 3 CM-% (85 % RMC) for unheated cement screed (2-layer application) and 4 CM-% (90 % RMC) (3-layer application).
- For unheated concrete substrates (also under cement composite screed) with a maximum residual moisture of 4.5 by weight-% (90 % RMC) (2 layers) and 6 by weight -% (95 % RMC) (3 layers) according to DARR method measurements.
- For use under large ceramic tiles to provide moisture barrier from self-levelling compounds or normal-set thin-bed mortars.
- No thickness limitation when using Kiesel self-levelling compounds over 2-layerd applications on calcium sulphate screeds.

**Okatmos® DSG** is also a suitable primer for smooth, dense and non-absorbent substrates such as, e.g. old tile, natural stone or artificial stone surfaces before levelling work or thin-bed tile installations.

Not suitable over sulphite liquid adhesives, magnesia based screeds and stonewood-screeds.

Sanitising properties provide an additional odour containing properties. **Okatmos® DSG** does not replace necessary or required waterproofing membranes.

## Substrate preparation

The substrate must be dry, clean and sound.

Remove mechanically any bitumen/oil based or loose products. The existing substrates must also comply with the applicable local and national standards and regulations in each case. The respective substrate must be tested in accordance with the applicable standards and when in doubt contact Kiesel technical department.

## Processing

**Okatmos® DSG** is to be applied undiluted to OSB/Plywood and non-absorbent substrates with the use of a lamb's wool roller, a brush or ordinary paint roller providing proper transfer. **Okatmos® DSG** is always diluted at a ratio of 1:1 for the first application on absorbent substrates. To achieve moisture barrier a second and third coat should be applied when first coat is fully dry. Coverage is approx. 120-130 g/m<sup>2</sup> for undiluted application and approx. 60-70 g/m<sup>2</sup> for diluted application.

Allow the primer to dry thoroughly after applying.

Use a **Kiesel** pre-coating roller and apply a full and even coat of **Okatmos® DSG** to the substrate, filling any pores. Avoid pooling.

## Specifications

Color	red
Application	interior, on walls and floors
Application temperature	= 10 °C / 50 °F (substrate)
Drying time*	approx. 10 minutes or after drying
Floor heating system	suitable
GISCODE	D 1 according to the Technical Rules for Hazardous Materials (TRGS 610)
EMICODE	EC 1Plus according to GEV
Storage	store in frost protected area for up to 12 month (keep from freezing)
*	At +20°C and 65% relative humidity. Higher temperatures will reduce and lower temperatures will extend these values accordingly.

## Coverage

approx. 150 g/m<sup>2</sup> on non-absorbent substrates  
 approx. 60-70 g/m<sup>2</sup> when diluted with water at a ratio of 1:1  
 approx. 120-130 g/m<sup>2</sup> when used undiluted  
 approx. 270 to 540 sq. ft./US gal. substrate dependable

## Tool

Brush, lamb's wool roller

## Cleaning

Clean tools immediately with water.

## Packaging

Packaging	Item no.	EAN
60 x 10 kg plastic canister	80178	4015705801780
12 x 1 kg plastic bottles	80248	4015705802480

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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