



# HØRNING Moisture Barrier Eco

## Data Sheet

**HØRNING Moisture Barrier Eco** can be used against residual construction moisture in newly cast concrete floors.

HØRNING Moisture Barrier Eco can resist a max. 95% of residual building moisture in concrete floors and 85% with underfloor heating.

### Highlighted Features:

- Provides sufficient protection against moisture rising from below
- Reduces the risk of moisture penetration caused by lack of adhesive
- Compatible with HØRNING MS Flexlim III Eco

If you have any questions or need advice, please don't hesitate to contact us.

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### Product Description

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### Technical Data

Type:	1-Component SMP
Consistency:	Thin transparent liquid
Density:	Approx. 1.13 kg/ltr
Consumption:	Approx. 250g pr. m <sup>2</sup> on concrete, by two coats
Durability:	12 months in unopened packaging. Store cool but frost-free.
Colour:	Clear
Packaging:	5.5 kg container
Emicode:	EC1 PLUS

### Work Description

#### Preperation

For best utilisation of HØRNING Moisture Barrier Eco, the subfloor must be level, clean, and dust and grease free. Before applying HØRNING Moisture Barrier Eco, all dust must be vacuumed away.

The floor must be level, which is achieved by potential sanding. With a rough surface, it requires several layers of HØRNING Moisture Barrier Eco to achieve the optimal effect. Likewise, there must be no cracks or expansion joints, otherwise there may be a risk that the thickness of the layer will be too large. Therefore, close all cracks before applying HØRNING Moisture Barrier Eco.

It can be challenging to prepare a moisture measurement and determine the cause of moisture, which is why it is always recommended to contact Hørnings technical service before using HØRNING Moisture Barrier Eco.

#### Conditions of Use:

Underfloor Temperature:	min. 15°C – max. 25°C
Room Temperature:	min. 15°C – max. 25°C
Humidity:	min. 30% RH – max. 80% RH

The substrate temperature must be at least 3°C above the dew point.

#### Usage Time

20-30 minutes at 50% relative humidity and 20°C.

#### Reapplication Time

The next layer is applied max. 24 hours after the first coat, otherwise sanding and vacuuming is required. The second coat can be applied after 6 hours at 20°C.

#### Gluing

HØRNING Moisture Barrier Eco must be dry min. 6 hours at 20°C before installation of the floor. The moisture barrier must be dry and non-sticky.

#### Application

NB! When applying HØRNING Moisture Barrier Eco, it is important to shake the can thoroughly before usage.

When applying HØRNING Moisture Barrier Eco, use a short-haired roller or a brush in an amount of 150g/m<sup>2</sup> in the first layer. 100 g/m<sup>2</sup> in the second layer. The entire surface should be slightly moist without shiny puddles after the second layer. For any unsaturated areas, another layer must be applied. Gluing must take place no earlier than 6 hours after the last layer HØRNING Moisture Barrier Eco.

After the first layer is dry, or after max. 24 hours, another layer must be applied in an amount of 100g/m<sup>2</sup>. The second layer must be applied perpendicular to the first layer.

When filling, the floor must be sanded wet in wet with oven-dried quartz sand 1 kg per m<sup>2</sup>. This must be done by applying 2 layers. The quartz sand is sprinkled in the wet moisture barrier.

When HØRNING Moisture Barrier Eco is dry, sweep the excess sand or vacuum away. The quartz sand ensures that the subsequent filling has sufficient adhesion to HØRNING Moisture Barrier Eco. Pay attention to the overall strength requirements of the construction, according to which the thickness of the filler layer must be defined.

HØRNING Moisture Barrier Eco is to be used with HØRNING MS Flexlim Eco. Here the glue can be applied directly on top of HØRNING Moisture Barrier Eco.

HØRNING Moisture Barrier Eco can be used as a moisture barrier for concrete floors, consumption approx. 250g/m<sup>2</sup>. When applying only the first layer, this can be used as a primer, but not as a moisture barrier.

#### Cleaning

Wash hands with soap and water after using HØRNING Moisture Barrier.

#### Safety

See separate safety data sheet.

**For further information on safety, please refer to Hørnning.**

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#### Environment



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