

Weplus 251

Vapour Release Mesh



Brief description

Weplus 251 Vapour Release Mesh is a prefabricated, compression-resistant mesh for use on cementitious substrates. The mesh is bonded to the substrate. The special design of the mesh, featuring an even cavity structure, allows it to absorb the water vapour released by the substructure and remove this safely via outlets at the edges. When used as part of a system consisting of WestWood waterproofing products, it allows a high-quality, load-bearing and reliable waterproofing layer to be installed.

Material

Composite material based on polymethyl methacrylate (PMMA)

Product characteristics

- Refurbishment of concrete substrates
- Decoupling and stress relief between the substrate and the build-up
- A fully functioning waterproofing system is produced in conjunction with other, subsequently applied system components
- Improved solid-borne sound insulation
- Existing layers do not have to be removed completely
- Reduced build-up height (complete build-up approx. 8 mm)
- Water vapour generated is reliably removed
- Rapid completion
- High compressive strength

Application

Weplus 251 Vapour Release Mesh is used on mineral substrates. The system is designed to avoid problems associated with vapour pressure and moisture, such as blistering and osmotic damage in the surfacing / waterproofing. The complete removal of the moist substructure can be avoided by installing the Weplus 251 system. This load-bearing system is used predominantly for balconies and terraces.

Colours

Grey, RAL 7032

Packaging

1.0 m x 4.0 m, rolled
Mesh thickness: 4 mm
Weight: 20 kg per roll, 5 kg/m²
Rolled in wax paper

Shelf life

Unlimited shelf life from date of production

Substrate

Absorbent substrates such as concrete, cement, cement screed etc. must provide a good grip and be clean, sound and free from adhesion-reducing substances, e.g. grease, oil etc. Maximum residual moisture at the surface 5 % (CM measurement). The surface must to be properly prepared by grinding, scarifying or sand-blasting.

Application

The exact arrangement of the outlets in the Vapour Release Mesh must be planned prior to installation. There are numerous options for the location and integration of these outlets. As a rule the outlets can be concealed when the system is installed. Cut the Vapour Release Mesh to size and allow it to rest (curling tendency).

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Depending on substrate conditions, Wecryl 298 is used to bond the mesh to the prepared substrate.

Press the mesh onto the freshly primed surface. Weigh down with squared timber or a heavy board at the sides (to avoid curling). The weights can be removed after approx. 30 minutes. The butt joints must then be covered with a strip of Wecryl 230 and fleece. Once fully installed, the Vapour Release Mesh can be overcoated, e.g. with Wecryl 233 self-levelling mortar. (Please contact our technical advisory service.)

Tool

Stanley knife or similar

Application / General information



The material, air and ground temperatures must be measured and must be between 5 °C and 35 °C throughout the application period. Furthermore, the substrate temperature must always be at least 3 °C above the dew point. The relative humidity must not exceed 90 %. Ensure good ventilation after application and during the curing process.

Information on safety

The product is only approved for trade use.

To ensure correct application, we recommend a product training session with our application engineers.

General information

Disposal:

Weplus 251 Vapour Release Mesh can be disposed of with normal domestic waste.

The above information, especially information about application of the products, is based on extensive development work as well as many years of experience and is provided to the best of our knowledge. However, the wide variety of requirements and conditions on site mean that it is necessary for the product to be tested to ensure that it is suitable for the intended purpose. Only the most recent version of the document is valid. We reserve the right to make changes to reflect advances in technology or improvements to our products.

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