eurocol

the strong connection

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923

EUROPLAN EXTREME

Cement-based, fast-drying, dust-free, moisture- and frost-resistant floor levelling compound and casting mortar for stony substrates. Suitable for use in wet areas, swimming pools and in various outdoor applications such as balconies and terraces. Also suitable for casting drainage drains, drain holes, pipe slots and in combination with (electric) underfloor heating. Good flowability. Favorable consumption. High compressive strength. Pumpable. Layer thickness: from 2 mm to a maximum of 20 mm. Suitable for indoor and outdoor use.



PRODUCT TYPING

Base	Cement-based powder with additives and a high synthetic binder content.
Color	Grey.
Consistency	Powder.

- Moisture- and frost-resistant
- Dust reduced
- Excellent flow
- Fast setting
- Pumpable
- High compression strength
- For in- and outdoor use.

PROPERTIES

Bending Strength	According to NEN-EN 13892-2:2002: after 28 days ≥ 9 N/mm^2.
Bureau Wheelchair resistance	From 2 mm layer thickness.
Compressive strength	According to NEN-EN 13892-2:2002: after 28 days ≥ 32 N/mm^2.
Consumption	Approx. 1.5 kg/m^2 per mm layer thickness.
Dust factor	< 5% components with a particle of < 2 µm(micrometer)
Flammability	Non-flammable.
Frost resistance	Yes.
Sensitive to frost	No.
Passableness	After approx 3 hours at 18 - 20 °C.*

APPLICATION

- 923 Europlan Extreme is a moisture- and frost resistant, dust reduced, fast setting, cement-based levelling compound for stony subfloors.

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- Suitable for use in so called wet areas, swimming pools and outdoor use such as balconies and terraces.
- Also suitable for application on poorly or non-ventilated construction floors where rising damp is possible.
- The mortar can be applied as a levelling compound in a layer thickness of 2 till 20 mm.
- Also suitable for casting (in a layer thickness till aprox. 50 mm) of drains, pipeline trenches and in combination with (electrical) floor heating.

PROCESSING

Storage	Store cool and dry.
Tools	Trowel or notched squeegee in combination with a spiked roller, mixing-device.
Mixing ratio	Add 23 kg of 923 Europlan Extreme to 5.5 - 6 litres of water.
Processing time	Use within 10-15 minutes after mixing.*
Waiting time	Approx 1-2 minutes.
Drying	24 hours.*
Shelf Life	9 Months, in unopened packaging. After use close the open packaging well.
Cleaner	Water.

** The stated values are laboratory values which, given the large variation in climatological conditions, subfloor compositions and layer thicknesses, are only guideline values.*

Substrate:

- 923 Europlan Extreme can be applied on any type of stony subfloor that is rigid and has a good tensile and compression strength. The subfloor should also be clean, permanently dry, free from grease and dirt, according to the requirements of BS 8203 or DIN 18 365.
- Prime porous cement floors with 044 Europrimer Multi, 099 Dispersion Primer or 049 Europrimer ABS.
- Decrease (in indoor use) smooth and impervious subfloors (tile floors, granite, terrazzo e.g.) very well with for example 014 Euroclean, after that rinse and dry the subfloor well. Then prime these impervious subfloors thin and even with 044 Europrimer or 051 Europrimer Quartz. For outdoor use remove all old closed ceramic tilling.
- Level anhydrite floors with 924 Europlan Hybrid or 920 Europlan Alphy.
- Fix cracks/seams in the subfloor with 021 Euroblock Reno LE in combination with 063 Eurotape and 846 Quartzsand or 808 Eurojoint Connector in combination with 021 Euroblock Reno LE.
- In outdoor use add 250 g 811 Europlan Fibre to the levelling mortar. This is for minimization of dehydration shrinkage (cracks), caused by airflows over the floor. In this case the layer thickness should be at least 3 mm. Apply the levelling mortar with a trowel. Place 802 Eurostrip Basic or 806 Eurostrip Profile along possibly walls an columns.
- In advance always seek our technical data sheets. In doubt about the application ask for technical advice.

Instruction manual:

- Add 23 kg of 923 Europlan Extreme to 5.5 - 6 litres of cool and clean tap water.
- Stir the mortar, using an electric stirrer (Eurocol no. 855), to a smooth and homogeneous mixture.
- Wait for approx. 1 - 2 minutes and stir the mortar once again, with a low rpm. Add at this moment the 811renofibres if necessary.
- Apply the mortar within 10 - 15 minutes on the floor with a trowel or notched squeegee.
- When pumping adjust the mixing-unit in such way that per 23 kg of 923 Europlan Extreme 5.5 - 6 litres of cool and clean tap water will be added.
- Protect fresh levelling compound layers against draft and direct sunlight.
- At a temperature of 18 - 20 °C the applied layer is passable after approx. 3 hours and suitable for finishing with ceramic tiles. When fixing natural stone wait for at least 12 hours. With a layer thickness till 5 mm the applied layer is ready to be covered with floor coverings such as artificial grass, PVC, etc after 24 hours.
- For extended information about the safety precautions we refer to the safety data sheet on our website www.eurocol.nl.

Working conditions:
Required surrounding temperature : 15 - 23 °C.
Temperature for material and subfloor : min. 10° - max. 25 °C.
Relative humidity : 40 - 70%.

Underfloor heating systems:
923 Europlan extreme can be applied on underfloor heating systems. The startprotocol of the floorheating needs to be completly executed in accordance with the directives of the supplier. Turn off the heater 24 hours before application; do not heat again until at least 24 hours after application, in steps of maximum 5 °C water temperature per day.

QUALITY AND GUARANTEE

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ENVIRONMENT AND HEALTH

Hazard Class	Observe notes in the safety data sheet/label!
Safety and environment	Safety data sheets of Forbo Eurocol products according to EEG-guideline 91/155.
MSDS	For extensive information about safety and environment we refer to our website www.eurocol.nl.

ITEM DATA

Article	Definition	Packaging	EAN-code
923	Europlan Extreme	23 kg bag	8 710345 923101

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