



Eco Prim R



schadstoffgeprüft
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Solvent free neoprene primer in water dispersion with very low emission of volatile organic compounds (VOC)



WHERE TO USE

All-purpose primer to improve adhesion of levelling compounds on all absorbent and non-absorbent surfaces and to reduce the absorption of very porous cementitious surfaces.

Some application examples

- To prepare smooth and non-absorbent concrete floors before the application of MAPEI levelling products (see products for substrate preparation).
- To prepare anhydrite and gypsum surfaces before smoothing or applying cementitious adhesive for ceramic tiles.
- Preparation of cast asphalt, wood, wood chipboard, floor tiles in order to improve the adhesion of cement based product.

TECHNICAL CHARACTERISTICS

Eco Prim R is a solvent-free neoprene based single-coat primer in water dispersion. It has excellent bonding, flexibility, water and ageing resistant characteristics.

Eco Prim R is an easily applicable, ready to use white coloured latex. It is applied by brush, roller or flat trowel.

Eco Prim R is not flammable and the VOC content is practically zero, certified by the TFI German Institute, so it is absolutely harmless to the health of the installer

and the end-user of the areas where applied. It can be stored with no particular precautions.

RECOMMENDATIONS

- Apply **Eco Prim R** only on internal flooring.
- Use **Primer EP** or **Mapeprim SP** on magnesium substrates.
- Apply **Eco Prim R** only on moisture-stable wood.
- Do not apply **Eco Prim R** on substrates subject to rising damp.
- Stir **Eco Prim R** before using.

APPLICATION PROCEDURE

Preparing the substrate

Substrates must be uniformly dry, sound, free of dust, loose particles, cracks, paint, wax, oil, rust, traces of gypsum or other products that can interfere with bonding.

The moisture content must be as follows: for cement substrates, a maximum of 2.5%-3%; for gypsum- or anhydrite-based substrates, a maximum of 0.5% National recommendation must be met.

It is essential to make sure there is no rising damp present.

Floating screeds over layers of insulation and screeds over bare ground must be provided with a vapour barrier to prevent rising damp.

TECHNICAL DATA (typical values)		Certified by the TFI German Institute, Certif. N° 98355
PRODUCT IDENTIFICATION		
Consistency:	fluid liquid	
Colour:	white	
Specific gravity (g/cm ³):	1.05	
pH:	7.5	
Dry solid content (%):	40	
Brookfield viscosity (mPa·s):	50	
Storage:	24 months in original sealed packaging. Protect from frost	
Hazard classification according to EC 99/45:	none	
Custom class:	3903 90 00	
APPLICATION DATA at +23°C - 50% R.H.		
Application temperature range:	from +5°C to +35°C	
Minimum drying time:	from 1 to 12 hours, depending on the type of substrate	
FINAL PERFORMANCE DATA		
Resistance to moisture:	excellent	
Resistance to ageing:	excellent	
Resistance to solvents and oils:	fair	
Resistance to acids and alkali:	fair	
Resistance to temperature:	excellent	

When repairing cracks, consolidating screeds, forming fast-drying screeds, or levelling uneven screeds is required, it is recommended to consult the section in the Mapei catalogue that refers to the preparation of substrates or call the technical assistance.

Applying the primer

Eco Prim R can be applied with a brush, roller or flat trowel. It is usually diluted 1 to 1 with water when applying on cementitious or anhydrite surfaces. It is used undiluted on existing ceramic tile, natural stone, wood and adhesive residuals (as long as they are water resistant).

It is essential that **Eco Prim R** be completely dry before subsequent application of a smoothing compound or mortar. Drying time varies with the absorbency of the substrate and environmental conditions (temperature and humidity) approximately between 1 and 4 hours. On wooden or anhydrite surfaces drying occurs after 12 hours.

However, it is recommended not to wait more than 24 hours.

Cleaning

While still wet, **Eco Prim R** can be cleaned from floors or wall coverings, tools, hands and clothing with water. When dry, use alcohol or **Pulicol**.

CONSUMPTION

Consumption varies from 200 to 250 g/m² depending on the porosity of the substrate.

PACKAGING

Eco Prim R is available in 25, 10 and 5 kg drums.

STORAGE

Under normal conditions **Eco Prim R** is

stable for at least 24 months in its original sealed packaging.

Avoid prolonged exposure to frost.

FOR PROFESSIONALS.

WARNING

Although the technical details and recommendations contained in this report correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical applications; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone, is fully responsible for any consequences deriving from the use of the product.



The trademark identifies Mapei products that are solvent free and with low emissions of volatile organic compounds (VOC) tested and certified by qualified institutes (e.g. German TFI, American CRI).



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The trademark identifies the products certified by the TFI German Institute that have very low volatile organic compound, have passed toxicity tests and periodically undergo market checks.

**All relevant references
of the product are available
upon request**

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