



Concrete restoration Very low thickness

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EVERCEM EASY is a polymer-cement based pre-mixed powder, consisting of a mixture of selected aggregates, highly resistant binders and special copolymers, specifically designed to be mixed with water only and applied in layers of millimetric thickness for restoration and protection of concrete. Thanks to its special formulation EVERCEM EASY can also be applied as a finishing or protective layer on substrates such as wood, glass, asphalt and plastics in general*.

PROPERTIES

EVERCEM EASY is an easy-to-use product. When mixed with water in the right proportions it assumes a superfluid workability that allows an easy application by squeegee (rubber spatula), roller or brush, both on horizontal and sloping surfaces. Easy to apply, it enables to treat large surfaces in a short time, reducing labor and application costs. Once hardened, EVERCEM EASY is characterized by high adhesion, high mechanical performances and excellent resistance to mechanical wear. EVERCEM EASY is particularly suitable for the protection of concrete surfaces, even deteriorated ones, and / or subject to rainwater or washing action. EVERCEM EASY also allows to obtain a pleasant aesthetic effect and can be pigmented using specific dyes, with concentration varying from 0.5% to 5% on the weight of the pre-mixed product, depending on the intensity of the desired color.

USES

EVERCEM EASY is suitable for:

- Renovation, of remarkable aesthetic quality, of floorings subject to pedestrian and vehicular traffic;
- Repair of cementitious screeds and mortars, including micro-cracks;
- Finishing of concrete substrates such as industrial flooring, decorative pavings, screeds, both inside and outside;
- Structural concrete repair and restoration;
- Protection of concrete subject to:
 - Freeze-thaw cycles
 - De-icing salts
 - Deterioration due to carbonation.

APPLICATION

Substrate preparation

EVERCEM EASY must be applied on clean substrates; therefore, it will be necessary to remove any traces of oil, grease and dirt from the substrate. In this regard, use the specific EVERCEM DEEP CLEAN detergent making sure to rinse the surface effectively before applying EVERCEM EASY.

EVERCEM EASY must be applied on coherent substrates so that, in case of disrupted substrates, it might be necessary to evaluate the removal of the surface material, also by mechanical action. In case of cracks or thick planar defects (>1 cm) it is advisable to proceed with the restoration of the substrate using EVERCEM REBUILD or REBUILD+, specific rapid structural mortars for restoration.

Make sure that, before application, the substrate is damp but not wet, as the presence of water menisci would drastically lower the adhesion of EVERCEM EASY.

It is recommended to apply EVERCEM DPS or EVERCEM DPS PAV on the substrate, before applying EVERCEM EASY, to have better adhesion.

* Although EVERCEM EASY has excellent adhesion properties on most materials, it is advisable to perform preliminary compatibility tests on non-cement based substrates.



Mixing and installation

For handling the pre-mixed powder product refer to the provisions of the specific product safety data sheet. Pour a 25 kg drum of EVERCEM EASY into a bucket containing 4.5 - 5.0 liters of water, using a low speed electric mixer for five minutes or, in any case, until a homogeneous and lump-free mix is reached. Wait about 2 minutes and then mix again using the low speed electric mixer for some tens of seconds. Apply the first coat of EVERCEM EASY on a damp substrate (not wet) without ponding water, spreading it towards a predetermined direction with a thickness of about 1 mm by squeegee (rubber spatula), brush or roller. Make sure the material enters any small cavities, avoiding the formation of air bubbles and always working fresh on fresh.

Before applying the second coat of EVERCEM EASY, make sure that the first coat is slightly dry and that sufficient mechanical performance to withstand light pedestrian traffic is already ensured.

Apply the second coat following the direction orthogonal to the previous one, giving the surface a smooth and uniform appearance. It is not recommended to apply the product in case of adverse weather conditions such as frost, rain or excessive and premature drying caused by the combined effect of intense exposure to solar radiation, low relative humidity and strong windy conditions. Protect the treated surface, for at least 48 hours, avoiding dehydration and the washing action of the rain. A surface treatment using EVERCEM DPS increases the mechanical performance of EVERCEM EASY and is recommended only after 48 hours from the application of the material. The product is suitable for applications on substrates with temperatures between 10°C and 35°C. Temperature must be taken into account during application; low temperatures significantly shorten the hardening time, high temperatures shorten the workability time of fresh EVERCEM EASY layer.

TECHNICAL DATA

Prova	Valore
Compressive strength	> 20 MPa at 2 gg > 35 MPa at 7 gg > 45 MPa at 28 gg
Flexural strength	> 6 MPa at 28 gg
Adherence	> 2 MPa at 28 gg
Typical mixing water	4,5 - 5,0 litri/sacco (25Kg)
Consistency	superfluid
Wet density	2000 Kg/m ³
Content of chloride ions	< 0.05%
Coverage	1,65 Kg/mm/ m ²
Curing	28 days
Packaging	25 kg bags
Storage	12 months

STANDARD

EVERCEM EASY meets the requirements set by the specific harmonized standard UNI EN 1504-2 and 1504-3 "Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity".

EC label and DoP available on request

STORAGE and PACKING

EVERCEM EASY is available in 25 kg bags. It must be kept in its original unopened package, stores in a protected and dry place, at a temperature between + 5 °C and + 35 °C. The product is hygroscopic and, once the package is opened, it shall be completely used or the remainder shall be disposed of in accordance with the laws in force. The information contained in this technical data sheet is accurate to the best of our current knowledge, is to be considered purely indicative and do not constitute a guarantee. The user is required to ensure the suitability and completeness of this information through specific preliminary qualification tests according to the intended use of the material. EVERCEM EASY performance values are detailed and declared in the specific Declaration of Performance (DoP) sheet.