



HERALAX FLEX

Elasticizing and adhesive latex for cementitious mortars based on synthetic polymers

TECHNICAL FEATURES

HERALAX FLEX is a water-based dispersion of a special elastomer, based on modified styrene-butadiene rubber, designed for use in cementitious systems where good chemical and mechanical stability and a low tendency to saponification are important. It significantly increases the workability of cement-based mortars and mixtures, and increases mechanical strength. Characterized by a high elasticity, adhesive, waterproof power to be used on internal and external supports, in total or partial replacement of water, for cementitious mixtures and cementitious adhesives, making them suitable for demanding applications. Also excellent for the packaging of "gripping bridges" to carry out concrete casting and anchored screeds and to formulate adhesive cement slurries designed to improve adhesion on smooth concrete surfaces.

FIELD OF APPLICATION

- Additive for adhesives and cementitious mortars in general, in order to improve their adhesion, flexibility, impermeability to water and final performance. Particularly suitable for laying large sizes, outdoor installations, ceramic coverings for swimming pools, coverings subject to strong mechanical or hygrothermal stress.
- Additive for cementitious mortars such as screeds, plasters, smoothing compounds, in order to improve the characteristics of adhesion and mechanical resistance.
- Additive for making adhesive slurries for anchoring new Portland cement-based screeds on old substrates.
- Additive for making adhesive slurries to carry out casting joints between fresh concrete on already hardened concrete.

PREPARATION OF THE SUBSTRATE

The substrates to be treated must be consistent and free from surface dust, form release greases and anything else that could affect good adhesion. Friable or already detached parts must be removed mechanically.

APPLICATION

Additive for cementitious adhesives:

Pour the right amount of liquid into a clean container and slowly add the powder, mixing with an electric drill equipped with a mixing propeller until a homogeneous lump-free mixture is obtained. Leave the mixture to rest for at least 5 minutes and mix again briefly for a few seconds. The mixture thus obtained is workable for about 6 hours.

If you do not need particular performance, but you want to improve the performance of the adhesive, before mixing with the powder, it is possible to add up to 50% of clean water to **HERALAX FLEX**.

Anchoring on smooth concrete surfaces:

Add three parts of water to one part of **HERALAX FLEX** and mix until everything is homogenized. Prepare a mixture of cement and fine sand in the ratio 1:2 – 1:3. Then mix with the water and **HERALAX FLEX** mixture until the desired fluidity is obtained. Apply the prepared mortar to the concrete surfaces.

Anchoring slurries for construction joints and anchored screeds:

Add a part of **HERALAX FLEX** to a part of water. Mix some cement with this mixture until a liquid and homogeneous grout is obtained and spread the mixture on the surface to be treated. Both for the execution of anchored screeds and for construction joints, it is necessary, in order to have an optimal adhesion, to carry out the casting operations "fresh on fresh".

CLEANING

The tools used can be cleaned with water before the product hardens; subsequently cleaning will be very difficult.



ITEM OF SPECIFICATIONS

Laying floors and walls in ceramic and stone material, with highly deformable cementitious adhesive with improved performance, obtained by mixing cementitious adhesive with professional latex such as **HERALAX FLEX** by **HERAKEM SRL**.

Creation of a "gripping bridge" (coupling slurry) using a cementitious mortar modified with synthetic resins in aqueous dispersion to be made with professional latex such as **HERALAX FLEX** of **HERAKEM SRL**.

WARNINGS

- Do not use in case of rising damp.
- Do not use on magnesian substrates.
- When preparing mixes, previously mix **HERALAX FLEX** with water and then dose the other powder components, respecting the indicated quantities.
- Apply the product at temperatures between + 5 ° C and + 35 ° C.
- According to the use, respect the indicated dosages.
- Do not use the pure product as an additive for casting joints, but always mix it with water and cement.
- When **HERALAX FLEX** is used as an adhesion bridge, after its application you will have to work "fresh on fresh": cast the mortar and cover it within 1 - 2 hours.
- Do not use the product for applications not indicated on this technical data sheet.
- Avoid storing the product contained in the tanks under the beating sun or in very hot environments.

TECHNICAL DATA *(at +22±1°C and 55±5% R.H.)

Appearance	liquid	Permitted application temperatures	from +5°C to +35°C
Color	white	Customs heading	3906 9000
Viscosità	20-30 mPa s	Storage	12 months in original dry packaging
Ph	7-8		

Consumption	according to use	Packaging	5 Lt tank box of 12 bottles of 1 Lt
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PRODUCT FOR PROFESSIONAL USE ONLY

All the data and indications given in this technical data sheet, although resulting from laboratory tests carried out and from our direct application experiences, due to the infinite number of variables linked to the construction site conditions, are to be considered, in any case, purely indicative. Therefore, before applying the product, the user is required to establish whether it is suitable for the use envisaged by him, in the specific hygrothermal and application conditions foreseen at the time of use and, in any case, he assumes all responsibility for it. We are not liable for damage to people or things deriving from improper use of the product. We reserve the right to modify the data contained therein as a result of improvements and technical progress.