

Revinex®

Multi-purpose copolymer emulsion designed to enhance the properties of cement mortars and coatings



Fields of application

- Renderings (cement, sand, **Revinex®**, lime, water, fibreglass mesh **Gavazzi®**).

Proportion: 1-3kg **Revinex®**/cement bag 50kg.

Purpose: Creation of waterproof, durable and crack-resistant plasters.

- Enrichment of the cementitious waterproofing mortar **Neopress®** (**Neopress®**, **Revinex®**, water).

Proportion: 3-5kg **Revinex®** / **Neopress®** bucket 25kg.

Purposes: Waterproofing of basements, underground walls, swimming pools with increased resistance to positive and negative hydrostatic pressures.

- Waterproof cement mortars & screeds (cement, sand, **Revinex®**, water).

Proportion: 3-10kg **Revinex®** / cement bag 50kg.

Purposes: Creation of slopes, levelling, grooves, joint-fillings, adhesion of tiles.

- Concrete repair (sand, **Revinex®**, repairing mortar **Neorep®**).

Step 1: 1kg **Revinex®** / 2-3kg cement for steel reinforcement protection in two coats (with brush or paint-brush).

Step 2: 1-2kg **Revinex®** / 25kg repairing mortar **Neorep®** for surface levelling (with addition of water into the mix).

Purposes: Protection of steel against corrosion and repair of damaged concrete structures.

- Slurry - Bonding old to new concrete (cement, sand, **Revinex®**).

Proportion (by volume): 1 part cement: 1 part sand (particle size 0-2 mm): 0,5 – 1 part **Revinex®**.

- Flooring applications (cement, sand, gravel, **Revinex®**, water, polypropylene fibers **Eurofiber®**).

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Proportion: 5-10kg **Revinex®** / cement bag 50kg.

Purposes: Floors with increased mechanical and chemical properties such as industrial and similar ones in repair workshops, garage, foodstuff units, laboratories.

- Primer (cement, sand, **Revinex®**, water).

Proportion: 7-10kg **Revinex®** / cement bag 50kg.

Purposes: Increased adhesion of renderings or mortars onto substrate.

- Reinforcement of tile adhesives (Tile adhesive, **Revinex®**, water).

Proportion: 1-2kg **Revinex®** / tile adhesive 25kg.

Purposes: Enhancement of adhesion, water impermeability, elasticity in sensitive wet areas where tiles are applied (e.g. swimming pools, bathrooms, kitchens).

- Primer for coatings.

Proportion: 1kg **Revinex®** diluted with 3-4 kg water. Indicative consumption: 40-60gr/m²

Enhances the adhesion of building paints, elastomeric coatings (e.g. **Neorooft®**) and cementitious waterproofing systems.

For potential other uses of **Revinex®**, as improving agent of water-borne indoor or exterior paints, please consult NEOTEX® technical department.

Properties

- Excellent impermeability to water, increased adhesion to any substrate, enhanced abrasion resistance.
- Withstands contractions and expansions.
- Increases flexural and tensile strength, durability against frost and exhibits high chemical resistance to light acids.

Technical Characteristics

Appearance	Milky liquid
Total solids	47 ± 1% (ISO 1625)
Reducing mixing water (by adding 15% of cement by	25%

The information supplied in this datasheet, concerning the uses and the applications of the product, is based on the experience and knowledge of NEOTEX® SA .It is offered as a service to designers and contractors in order to help them find potential solutions. However, as a supplier, NEOTEX® SA does not control the actual use of the product and therefore cannot be held responsible for the results of its use. As a result of continual technical evolution, it is up to our clients to check with our technical department that this present data sheet has not been modified by a more recent edition.

Revinex[®]

weight)

Viscosity 30 - 150 mPas (ISO 1652)

Density (+25°C) 1,01g/cm³

pH 9 - 11 (ISO 1148)

Exceeds the requirements of European standard EN 934-3, Table 3

Instructions for use

A. SELECTION OF MATERIALS

Sand: sand should be well washed and sharp, i.e. free from soil and salts. In plaster applications, the plaster's required thickness affects the proportion of sand needed.

Cement: portland cements are compatible with **Revinex[®]**. Cement should be fresh and cool, whereas cement that contains air set lumps should not be used.

Other additives: for their appropriate use please consult NEOTEX[®] technical department.

B. PREPARATION OF SURFACES

Before any use of a mortar modified with **Revinex[®]** make sure that the surface to which it is to be applied is clean and free from dust, soil and loose material and that the structure has sufficient mechanical strength. Walls should be wire-brushed and all contaminants such as oil, grease must be removed to ensure adequate bonding when the mortar or render is applied. For better results, the surface should be wet prior to the application of the mortar.

C. GENERAL REMARKS

Mixing should preferably be carried out in a mechanical mixer, where first liquid compounds are mixed (**Revinex[®]**-water) and then solids (cement-sand). When this is done manually, the reverse procedure is followed: Pre-mix sand and cement, pour in **Revinex[®]**, mix for 1 to 2 minutes, and then slowly add water, so that the mixture obtains the required consistency.

Packing

Available in 1kg, 5kg and 18kg, light blue, sealed, tin containers and 200kg drums, marked with the lot/quality control number.

Cleaning of tools

Use plenty of water immediately after application.

Storage stability

The product is stable for 18 months when kept unopened in its original container at temperatures between +5 °C and +35 °C, protected from frost and direct sunlight.