



FINOMIX®
DRY MORTARS

Technical Data Sheet

Release 1: 18/02/2022

RP 4030 rust•converter hybrid

**hybrid rust-converter
with parallel passivating
& protective action**

- Chemical reaction with rust
- Strong adhesion to metals even on wet surfaces
- Excellent anticorrosive properties
- Provides protection to metal surfaces
- Water diluted product with no harmful odor



RP 4030 RUST•CONVERTER HYBRID

hybrid rust-converter
with parallel passivating & protective action

DESCRIPTION

Ready-to-use water-soluble rust conversion primer. It is composed of a hybrid acrylic-epoxy polymer that combines excellent rust converting properties and adhesion on metals.

To RP 4030 RUST•CONVERTER HYBRID reacts with metal ions forming a film that blocks the migration of oxygen and water through the coating and at the same time it passivates the substrate protecting from further corrosion. At the same time, the film formed is water-proof and exhibits excellent durability and adhesion with the metal thanks to the technology of the hybrid polymer parts of which it consists.

RP 4030 RUST•CONVERTER HYBRID is applied directly on rusted substrates.

Classified as a reinforcement corrosion protection product according to the European standard EN 1504-7.

APPLICATIONS

It is applied for rust conversion and protection on metal surfaces such as steel rebar of concrete elements, metal tools and machinery, and in marine applications.

PROPERTIES / ADVANTAGES

- Excellent properties for rust neutralization due to chemical reaction.
- Passivates and protects by reacting with metal ions.
- Excellent adhesion to metals.
- Blocks the migration of oxygen and water.
- Water diluted product with no harmful odor.

HARMONIZED STANDARDS / REGULATIONS

- **EN 1504-7:2004:** Reinforcement corrosion protection product. It fully complies with the requirements of the standard.
- **Regulation (EC) No. 305/2011:** CE marked product with Declaration of Performance (DoP): RP4030/CPR-7-13/093/03-2022.

APPLICATION INSTRUCTIONS

- RP 4030 RUST•CONVERTER HYBRID is ready-to-use, shake well before opening.
- Remove from the surface dust, the swollen parts of the rust, grease and subtle materials.

- Clean with water to remove salt and dirt deposition.
- Flash rust or rust residues that cannot be removed by rubbing and have a strong adhesion to the metal are not a problem for the application of RP 4030 RUST•CONVERTER HYBRID.
- The substrate can be wet but without the presence of water droplets.
- RP 4030 RUST•CONVERTER HYBRID adheres perfectly even to almost polished substrates.
- It is applied with a brush, roller or a suitable spraying machine. On large surfaces (e.g. ship tanks) it is preferable to apply it by spraying.
- Thoroughly coat the surface, taking care not to leave gaps or bubbles.
- Don't work on the surface after the process of drying has started. Created bubbles should be brushed after drying and then the surface should be covered with an additional layer of RP 4030 RUST•CONVERTER HYBRID.
- If another layer is required, let the primer dry for about 1-3 hours. The primer should be dry to the touch before applying the next layer.
- Let the material react for 24 hours. The rusted surfaces will gain a blackish appearance after the reaction is completed.
- Remove any residues using a dry cloth.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Hardened material can only be mechanically removed.

RECOMMENDATIONS

- Do not apply in temperatures lower than +5°C.
- The temperature of the metal during application should not exceed 40°C.

TECHNICAL CHARACTERISTICS	
PRODUCT CHARACTERISTICS	
Appearance	liquid
Colour	off-white
Chemical composition	hybrid acrylic-epoxy polymer with rust-converting additives
Content in active solids	38%
Density (25°C)	1.15 kg/lit
pH	4.0
APPLICATION CHARACTERISTICS (+23°C / 50% R.H.)	
Dilution	ready-to-use product
Consumption	Indicative consumption: approximately 0.20 lt/m ² . Consumption depends on the type of application.

Note: Measurements were conducted in a laboratory environment. The varying conditions present on-site (temperature, humidity, ventilation, substrate absorbency) may affect the material's properties.

SAFETY PRECAUTIONS

- The product is not classified as dangerous according to CLP Regulation no 1272/2008/EC.
- It is recommended to always wear appropriate protective equipment for eyes and skin (protective clothing, gloves and goggles).
- If skin contact occurs, rinse well with plenty of clean water and soap.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Consult product's Safety Data Sheet for further instructions on safety handling.
- **PRODUCT FOR PROFESSIONAL USE.**

PACKAGING - STORAGE

Available in:

- 0.25lt and 1lt plastic containers.

Storage: 12 months from production date, if stored in original, sealed container, protected from direct sunlight and frost.

LEGAL NOTICE

The technical characteristics and recommendations for the use and application of the **FINOMIX** range of products are based on the knowledge and experience of the company. The above information shall be considered merely indicative and subject to confirmation after long-term practical application. For this reason, anyone who intends to use the product must ensure that it is suitable for the envisaged application. Since the specific site conditions during the applications are beyond the control of our company, the user alone is fully responsible for any consequences deriving from the use of the product. **FINOBETON S.A. (FINOMIX)** has the right to modify the properties of its products without prior notice. This release voids any previous publications issued for this technical specifications sheet.

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