



Description

Romanmix S15 is a natural hydraulic lime-based, thixotropic, pozzolan-containing strengthening mortar for historical structures, classified as M15 according to EN 998-2.

Application Areas

- Structural repair of load-bearing elements in historical buildings,
- Leveling and repairing brick and stone surfaces,
- Strengthening of structures with reinforcement bars in the FRCM strengthening system,
- Filling anchor voids along with anchorage elements,
- Filling brick and stone joints,
- Protection of historical buildings against chloride and sulfate attacks.

Advantages

- It is single component. It is easily applied by mixing with water.
- It has high thixotropic properties. It can be easily applied in vertical and overhead applications.
- It has high mechanical and durability properties.
- It can be easily applied by trowel or spraying method.
- It provides high adhesion with existing surface and reinforcement meshes.
- It is A1 class fireproof.
- It is resistant to cold-hot cycles and has high abrasion resistance.
- It allows structures to breathe.



Technical Properties

Compressive Strength	28 day > 15 MPa
Elastic Modulus	28 day > 19000 MPa
Water Vapor Permeability	< 35 μ
Fire Resistance	A1
Capillary Water Absorption (EN 13057)	< 0,2 kg. m ² min ^{-0,5}
Specific Weight	1,85 gr/cm ³
Mixture Density	1,95 - 2,10 gr/cm ³
Pot Life (+20°C)	40 minutes
Full Cure Time (+20°C)	28 day

The values provided above are based on tests performed on 40x40x160 mm samples under conditions of +20°C and 65% relative humidity. Results may vary depending on application and environmental factors.



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APPLICATION INSTRUCTIONS

1-SURFACE AND PRELIMINARY PREPERATION

The application surface should be cleaned from all kinds of dirt, rust and dust. The loose layer on the surface should be removed. The surface should be moistened so without water moving on it.

2-MIXING

The mixture is carried out by weighing according to the proportions in the prescribed recipe. 5,00 - 5,25 liters of mixing water is added for one package (20 kg). Appropriate amount of water is poured ing accordance with mixing ratio into the container and than powder formed material will be added by mixing in container slowly.

3-APPLICATION

The application can be performed with trowel or spraying method. If necessary to apply mortar layer more than 20 mm thickness, lamellar application should be carried out. Moreover, if the thick layer application will be carried out, additional fiber can be added. When the mortar started to harden, the mortar surface can be smoothed by wetting the trowel.

4-CURING

Appropriate curing materials can be used to prevent rapid drying. The mortar surface should be kept moist in hot weather.

5-CLEANING UP

Equipments can be cleaned with water. The cleaning of the hardened mortar should be provided mechanically.

LIMITATIONS

Do not add more than stated amount of water into the mortar other than the instructions specified in the product technical document. The application should be carried out between the specified temperatures. When the application is carried out at low temperatures, the set slows down, and at high temperatures, the set accelerates. Workability may vary according to ambient conditions.

RESPONSIBILITY

The information, application details and recommendations specified in the product's technical documentation have been created with Tetraglobe's knowledge and experience. The usage of the products may differ depending on the ambient conditions and the applied surface. Data obtained other than the Tetraglobe control may differ from obtained actual experimental data. Make sure you use the right product under the right conditions and follow the instructions given by Tetraglobe. Otherwise, Tetraglobe cannot be held responsible. Previous versions of the newly published technical document are invalid.

PRODUCT INFORMATION SOURCE

The information stated in the product technical documentation are based on experimental data. Value obtained other than the Tetraglobe control may differ from the actual value for various reasons.

SAFETY & HEALTH and ENVIRONMENT

Product users can refer to the Material Safety Data Sheet (MSDS) for all product-related information and recommendations regarding the safe shipment of chemical products, storage conditions, disposal, physical, toxicological, ecological, and other safety-related claims.

CONTACT INFORMATION

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