RP-PLASTER
Thermal Insulation Plaster

Technical Data Sheet

Description
Rp-Plaster is composed of polymeric resin and inorganic refractor, has high heat and chemical resistance, does not contain heavy metals; industrial heat and water insulation plaster. It is a single component thermal insulation plaster that can be applied easily with its reinforced structure against thermal shocks.

Fields of Application
It is suitable for use in residences, public buildings, production facilities, warehouses, hangars, cold storages, many more domestic and industrial areas.

Features & Benefits
- It has low thermal conductivity value.
- Provides up to 50% heat and energy savings.
- It protects the heat balance of the building.
- It has fire retardant feature.
- It isolates surface against water.
- It can be applied in desired thickness.
- Provides high thermal insulation.
- It has thermal stability.
- It can be applied with a gauge.
- It does not collapse or swell.
- Provides high strength.
- It has rigid elasticity.
- It is hygienic. (Does not contain germs etc.)
- Does not contain heavy metals.
- It has a thixotropic structure.
- Ready to use.
- It is water based.
- It breathes.
- There is no condensation on the surface.
- It is produced in the desired color.

Preparation of Substrates
- Surfaces must be ready and dry.
- Surface should be cleaned from dust, dirt, oil and old blistered coatings that may prevent good adhesion.
- The sub-surfaces that are not strong enough to carry themselves e.g. cracked plasters, weak surfaces, or residues of moss should be cleaned from the application surface.
- If necessary, surface cracks should be filled and substrate should be evened with crack filler.

Application
- In large surface applications, the desired thickness is achieved with the leveling apparatus or the slab lath.
- Application temperature is +5 °C +40 °C.
- **RP-Primer** should be applied as a primer and left to dry for 12 hours.
- The opened package should be mixed with a low speed mixer.
- It should be applied in two coats without adding water or solvent to the product.
- Existing painted surfaces; During the application, **RP-Plaster** plaster can also be applied with a steel trowel and spray pump 12 hours after the **RP-Primer** application.
- If the plastering is interrupted for a long time, it should be mixed again before starting the plastering process. It is an extremely sensitive and important issue in terms of the efficiency of the product.
- At least 48 hours after the application, the final coating should be done.
- It is recommended to apply in 2 coats. It is recommended to obtain 0.5 mm thickness for each coat.

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Post-Application Protection & Suggestions

• **RP-Plaster** is a ready to use product. Please do not add any additives except those recommended in the data sheet.
• The product should be used within the shelf life. Products with expired shelf life must not be used.
• Fresh applied surfaces should be protected against direct sunlight, strong airflow, high air temperature (over + 40°C), rain and frost during the first days.
• Keep packaging closed when application is interrupted. The product should be protected from freezing.
• It should not be applied at very high temperatures, under direct sunlight, in extremely windy, foggy, rainy, frost-risk weather conditions. Low temperature and high relative humidity can extend the drying time.
• It should not be applied in rainy weather and the applied surface should be protected from rain within 24 hours of application.
• Surface and ambient temperature should be at between + 5 °C and + 40 °C during application.
• Consumption values in the technical table refers to an average consumption amount. It may vary depending on the application conditions and surface properties.

Storage

• 1 year at room temperature in its unopened original package.

Packaging

• 15 kg (Plastic Bucket) / 120 kg (Barrel) / 2.5 kg (Plastic Bucket)

Technical Properties

(at 23 °C and 50% RH)

General Data

Appearance	White liquid
Structure	Polymer dispersion based
Density	Approx. 0.90 gr/cm³
Shelf Life	12 months when stored in the original packing.

Application Data

Application Temperature Range	(+5°C) - (+40°C)
Drying Time	12 hours
Waiting Time After Application	Max. 48 hours
10 mm Application Consumption	4 kg/m² (It varies depending on the surface.)

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