

RhinoLite[®] Natural Plus[®] Plaster

Advantages

-  Smooth Finish
-  Environmentally Friendly
-  Superior Aesthetic & Design



RhinoLite[®] Natural Plus plaster is a lightweight, multipurpose finishing plaster suitable for internal application onto brickwork, concrete block, concrete and RhinoBoard[®] and as a finishing plaster onto sand cement base-coats.

RhinoLite® Natural Plus® Plaster

Physical and Chemical Properties

Colour	Physical State	Particle size	Density	Solubility	pH
Cream powder	Particulate	5 to 1000 microns	0,8 to 1,2 g/cm ³ approx.	Slight 3 2,4 g/liter.	10.5 to 12.5 approx. (When mixed with water

INTRODUCTION

RhinoLite® Natural Plus® plaster is a multipurpose finishing plaster applied with a one-coat application method using a steel trowel and a rubber float. A straight edge and/or darbies will be required when applying as a thick levelling plaster. RhinoLite® Natural Plus® plaster is suitable for providing easy mixing, easy application, a smooth finish and should be used neat, added to clean water only. The plaster has a setting time of approximately 60 minutes.

Plaster colour

Cream powder

Mixing ratios

The RhinoLite® Natural Plus® plaster to water mixing ratio is in the region of 0.50 – 0.60 litres of water for every 1 kg of RhinoLite® Natural Plus® plaster. The applicator should however, mix the product to the desired consistency suitable for the application type.

Finishing

As in good building practice, roof, windows and doors should be installed before plastering with RhinoLite® Natural Plus® plaster (to help prevent dry-outs and ensure consistent setting). RhinoLite® Natural Plus® plaster should not be used in areas where walls are washed with hose-pipes, in showers or in industrial type kitchens.

Decoration

After the plaster finish or Gyproc RhinoGlide® has dried, decoration, including any decorator's preparatory work, should follow with minimum delay.

APPLICATION

General

It is important to observe appropriate health and safety legislation when working on site, i.e. personal protective clothing and equipment, etc. The following notes are intended as general guidance only. In practice, consideration must be given to design criteria requiring specific project solutions.

RhinoLite® Natural Plus® plaster can be used on:

- ▶ Brick
- ▶ Block
- ▶ Concrete surfaces

Handling

When handling bags of RhinoLite® Natural Plus® plaster, due regard should be paid to correct ergonomic handling. Appropriate personal protection should be used whilst handling.

Storage

RhinoLite® Natural Plus® plaster should be stacked in a safe and stable manner. Store in unopened bags, in cool, clean dry conditions, off the ground and above 5°C. RhinoLite® Natural Plus® Plaster has a shelf life of 9 months.

Exposure controls / Personal Protection

Technical Protective Measures: No special measures required.

Exposure Limits: Occupational Exposure Limit (OEL 8 hour TWA limit). Total inhalable dust 10mg/m³. Total respirable dust 5mg/m³.

Respiratory Protection: Suitable respiratory protection should be worn to ensure that personal OEL is not exceeded in areas that are poorly ventilated. If care is taken not to raise dust during handling the use of respirators is not normally necessary.

Hand Protection: Wear suitable gloves. Do not rely on barrier creams; barrier creams should not be used in place of gloves.

Eye Protection: Suitable goggles or face protection should be worn wherever there is a risk of product powder or product/water mixture entering the eye. Contact lenses should not be worn when working with the products.

Skin Protection: Wear overalls and suitable closed footwear.

Ventilation: Use local exhaust or general dilution ventilation to control exposure within applicable limits.

Stability and Reactivity

Stability: Stable under normal room temperature and conditions.

Conditions to avoid: Unintentional contact with water.

Incompatibility: RhinoLite® Natural Plus® Plaster is not incompatible with alkaline based products.

Hazardous decomposition: Will not spontaneously occur. Adding water will produce a slightly acidic solution.

Hazardous polymerisation: Will not occur



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Composition

Composition is formulated from calcium sulphate hemihydrate, fillers, lightweight aggregates and other minor ingredients. The health and safety risks of the ingredients have been identified by the various suppliers to Saint-Gobain Construction Products, but have all been accepted as intrinsically safe within the confines of use. The minor ingredients referred to are at concentrations less than 1 %.

Hazard Identification

The most important hazards are:

Gypsum based products are not classified as dangerous according to National legislation. Dust from handling may irritate the respiratory system, skin and eyes.

Flammability: Non Flammable

Chemical hazard: None

Biological hazard: None

Reproduction hazard: None

Health effects

Eyes: Rinse eye with clean tepid water for 10 minutes or until irritation ceases.

Skin: Wash gently with lukewarm water and soap.

Ingestion: None

Inhalation: None

Carcinogenicity: None

Mutagenicity: None

Neurotoxicity: None

First Aid measures

Skin Contact: Wash the affected area thoroughly with soap and water. If irritation continues seek medical advice. Clothing contaminated with wet product should be removed and washed thoroughly before re-use.

Eye Contact: Wash eyes immediately with plenty of clean water for at least 15 minutes and seek medical advice without delay.

Inhalation: Move affected person to fresh air. If nose or airways become inflamed, seek medical attention.

Ingestion: If swallowing has occurred do not induce vomiting. Give person plenty of water to drink. Seek medical attention.

Ecological Information

Gypsum (including Phospho gypsum) is an approved product for soil conditioning in the agricultural trade when applied correctly. It is also utilized for water clarification. Stable product with no known adverse environmental effects.

Toxicological Information:

Gypsum has been used in a wide variety of applications over a long period of time. In the dihydrate and hemihydrate form, it finds widespread use in medicine as plaster of Paris. There is no evidence of any long term effects associated with the dihydrate. No known toxicological effects.

Disposal Consideration

Should be disposed of at a suitable landfill site compliant to the National Environmental Management waste Act (Act 59 of 2014) and the Atmospheric Pollution prevention Act (Act 45 of 1965 – Reviewed June 2009).



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