



# PRODUCT TECHNICAL DATA SHEET

## LAFARGE SUPAWHYTE

### GYPSUM PLASTER (PLASTER OF PARIS - PoP)

#### Product Description

Lafarge Supawhyte is a Plaster of Paris produced by calcining only natural gypsum in accordance to BS EN 13279-1.

Lafarge Supawhyte Gypsum Plaster (PoP) is classified as C1 suitable for fibrous plaster works.

#### Composition

Lafarge Supawhyte PoP is produced entirely from calcined natural gypsum and does not contain any harmful or hazardous chemicals hence inherently non emitting source of volatile organic compounds (VOCs). It also does not contain any binders or other ingredients that include organic chemicals.

#### Standard Requirements (BS EN 13279-1)

| Gypsum Plaster |                       | Gypsum Binder Content % | Fineness ( $\mu\text{m}$ ) |       |      |       | IST <sup>a</sup> mins<br>Knife | Flexural Strength N/mm <sup>2</sup> |                 | Surface Hardness N/mm <sup>2</sup> |                 |
|----------------|-----------------------|-------------------------|----------------------------|-------|------|-------|--------------------------------|-------------------------------------|-----------------|------------------------------------|-----------------|
|                |                       |                         | 5,000                      | 1,500 | 200  | 100   |                                | 2h <sup>b</sup>                     | 7d <sup>c</sup> | 2h <sup>b</sup>                    | 7d <sup>c</sup> |
| C1             | Fibrous Plaster Works | >50                     | 0                          | 0     | < 1% | < 10% | > 8                            | >1.5                                | >3.0            | >4.0                               | >10.0           |

<sup>a</sup>: Initial Setting Time in minutes

<sup>b</sup>: After conditioning for 2 hours after the final setting time under the conditions specified

<sup>c</sup>: After conditioning for 7 days in a humid atmosphere ( $20 \pm 2$ ) °C and ( $95 \pm 5$ ) % of relative humidity, followed by drying to constant mass at ( $40 \pm 2$ ) °C.

#### INSTRUCTIONS FOR USE

Clean tools and molds thoroughly to remove any residue from previous uses. Add Lafarge Supawhyte PoP to water and let it soak for one minute. Stir the mixture continuously, either by hand or with an electric mixer, until it becomes smooth and consistent. Pour the mixture into the mold and work with it for 8 minutes before it begins to set. The plaster will fully set in approximately 22 minutes. The mixing method and environmental factors can affect the setting time.

#### Handling and Storage

Keep out of reach of children! Do not take internally. Use only with adequate ventilation. Ensure fresh air entry during application and drying. Do not breathe dust. Removal of this product after use will result in the generation of Dust. If dry-sanded, exposure to dust may result in the build-up of material in eyes, ears, nose, and mouth which may cause irritation. To be stored properly in original unopened, sealed and undamaged packaging in cool and dry conditions at temperatures between +15°C and +35°C. Protect from direct sunlight and humidity.

**Advantage**

The **LAFARGE SUPAWHTYE PoP** advantage includes:

- Excellent whiteness even during application
- Great absorbency for multiple castings in ceramics
- Easy to use
- Unlimited potential in artistic creation
- Fast Setting
- Fine Finish

**Warning**

Must not be in contact with acids. Mixing with other Materials that alters the product properties.

**Packaging**

Available in 40Kg bags.

**Health, Safety & Environment**

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

Use proper engineering controls, work practices, and personal protective equipment to prevent exposure to wet or dry Lafarge Supawhyte PoP.

The use of basic PPE like hand gloves, nose mask, safety glasses and safety shoes are very important.

**USES**

- Production of plaster decorations
- For moulds and models
- For the conservation of antiquities and works of art

*For professional use only, the user is advised to conduct tests and assessments in order to define the suitability of the product for the intended application.*

For Information:

**Technical Assistance**

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