

PRODUCT DATA SHEET

PLASTER OF PARIS

Supplier: Wrights of Lymm Ltd

Product Name: Plaster of Paris

Product Type: Fine-setting gypsum plaster

Product Description

Plaster of Paris is a fine, white gypsum-based powder which, when mixed with water, forms a smooth workable paste that sets to a hard, rigid finish.

It is suitable for a wide range of decorative, craft, restoration, mould-making and general workshop applications. Its fine consistency allows good reproduction of surface detail, making it particularly useful for casting, modelling and ornamental work.

Typical Uses

Plaster of Paris may be used for:

- Casting and mould making
- Decorative plasterwork
- Modelling and sculpture
- Repairing ornamental plaster
- Creating mouldings, cornices and decorative features
- Craft and hobby applications
- Restoration work
- Preparation of certain traditional decorative surfaces

Appearance

Form: Fine powder

Colour: White to off-white

Odour: Virtually odourless

Mixing Instructions

Always add the **Plaster of Paris to clean water**, rather than adding water to the dry plaster.

Sprinkle the powder gradually and evenly over the surface of the water until the required quantity has been added. Allow the plaster to soak briefly before mixing.

Mix gently until a smooth, lump-free consistency is achieved.

Avoid excessive or prolonged mixing, as this may affect the working and setting characteristics of the plaster.

The exact water-to-plaster ratio will depend upon the required consistency and application.

Application

Apply or pour the mixed plaster promptly after preparation.

Ensure moulds, tools and surfaces are clean and free from contamination. Where mould release is required, use a suitable release agent compatible with the mould material.

Allow the plaster to set fully before handling, removing from moulds, sanding or applying subsequent decorative finishes.

Setting

Setting time will vary depending upon:

- Water-to-plaster ratio
- Water temperature
- Ambient temperature
- Mixing time
- Thickness of application
- Age and storage condition of the material

Only mix the quantity that can be comfortably used within the available working time.

Drying

Freshly set plaster will retain moisture after it has hardened.

Allow adequate drying time before painting, sealing, gilding or applying other finishes. Drying time will depend upon the thickness of the plaster, temperature, humidity and ventilation.

Surface Preparation

Surfaces should be:

- Clean
- Dry where appropriate
- Free from grease, dust and loose material
- Suitably prepared for the intended application

Porous surfaces may require dampening or an appropriate bonding treatment depending upon the application.

Cleaning

Clean tools and equipment with water immediately after use and before the plaster hardens.

Do not dispose of mixed or setting plaster down sinks or drains, as it may harden and cause blockages.

Allow waste plaster to set and dispose of it in accordance with local waste regulations.

Storage

Store in the original, tightly closed packaging in a **cool, dry and well-ventilated location**.

Protect from:

- Moisture
- Damp conditions
- Contamination
- Direct contact with water

Once opened, reseal the packaging carefully. Exposure to moisture may cause the product to deteriorate or partially set.

Handling

Avoid generating or breathing excessive dust.

Use in a well-ventilated area and employ suitable personal protective equipment where required.

Avoid contact with eyes. Wash hands thoroughly after handling.

Important Safety Information

Plaster of Paris reacts with water and may generate heat while setting.

Do not use Plaster of Paris to make casts directly around hands, fingers, feet or other body parts.

A large mass of setting plaster can become hot and may cause burns.

Refer to the relevant Safety Data Sheet for full information regarding safe handling, storage, first aid and disposal.

Limitations

Not intended as a structural repair material unless specifically incorporated into a suitable approved system.

Finished plaster is generally intended for dry interior environments unless subsequently protected by an appropriate coating or system.

Disclaimer

The information contained in this Product Data Sheet is provided in good faith and is based on the typical characteristics and uses of Plaster of Paris.

Because application methods, substrates and working conditions are outside our control, users should satisfy themselves that the product is suitable for their particular application. A small trial should be carried out where suitability is uncertain.

Supplier Details

Wrights of Lymm Ltd

Excellence since 1840

Tel: 01925 754368

Email: info@wrightsoflymm.co.uk

Website: www.wrightsoflymm.co.uk