

Pottery Plaster

Product Description

Pottery Plaster is a hemihydrate plaster ($\text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O}$) produced from naturally occurring gypsum mineral. It is off-white in colour.

Applications

This product is used in the ceramics industry to produce working moulds for the slip casting of tableware and sanitaryware. It can also be used for the production of working moulds for the automatic forming of clay. Other uses include the production of working moulds for the manufacture of refractory castings.

Technical Data

The technical data outlined represents typical figures only. For further details, please contact Formula directly.

Water demand at target Vicat ring spread (18 to 19 cm)	1.45:1, 100/69
Knife setting time at water demand	9 minutes
Minimum compressive strength, dry @ pwr of 1.54:1	12.0 MN/m ²
Maximum linear expansion, 2 hours after setting @ pwr of 1.54:1	0.3%

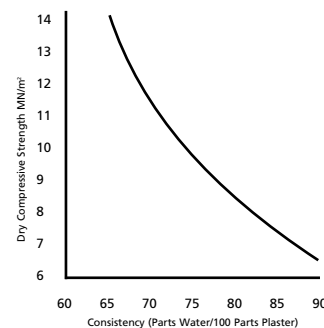
Unless otherwise stated, Formula's standard test methods apply. To obtain a copy of the test method, please contact Formula directly.

The plaster to water ratios quoted are those used in Formula's standard test methods and are not necessarily those used in practice. The precise consistency to use will need to be adjusted to suit the individual application. Changes to plaster to water ratio will influence product performance,

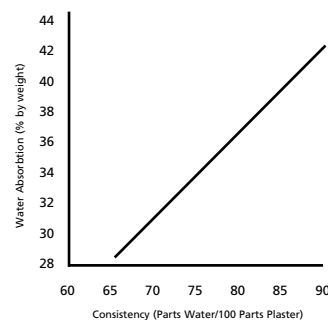
particularly setting time and strength. For further information on plaster to water ratios, please refer to Formula's leaflet 'Plasters for Ceramics'.

The following graphs help illustrate how varying ratios will affect compressive strength and water absorption.

Compressive Strength vs. Plaster to Water ratio



Water Absorption vs. Plaster to Water ratio



Plaster based products are not recommended for conditions where they are likely to be located externally or in any way subjected to weathering or excessive dampness.

When stored under dry conditions, this product will have a shelf life of three months from the date of manufacture that is displayed on each sack.

Absorption of moisture, can result in changes to physical properties, including a reduction in

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the set strength of plasters and also a lengthening of setting time. To help protect the product during use, open or part used bags should be carefully folded and closed.

Each bag is date stamped and stocks should be rotated so that the oldest material is used first.

For technical information or advice on any matter relating to a BPB Formula product, please contact Formula directly.

Supply Details

Unless otherwise stated, BPB Formula industrial plasters and gypsum minerals are available in 25 kg, 35 kg, 40 kg or 50 kg paper sacks depending upon manufacturing location. Other pack options, such as IBC (bulk bags) and bulk product in road tanker, may also be available. The company contracts solely upon its conditions of sale, copies of which are available on request. Advice as to merchant outlets for industrial products may be obtained by contacting the sales offices listed.

No liability is accepted for injury to any person or loss or damage to property by improper use of the product. All information has been provided in good faith but the information may be subject to change.

Any instruction manuals or other literature provided with the product or in respect of the product at any time thereafter are correct at the time of supply but may be updated at a later date. Should the user of the product at any time be unsure about the contents or currency of any such information manuals or other literature then contact should be made with BPB Formula.

Information

For further information including technical service and health & safety enquiries please contact

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Health and Safety

Health and Safety information sheets are available for all BPB Formula Industrial Plasters and Gypsum Minerals and can be obtained by contacting the sales offices listed.

General health and safety information is printed on each sack.