Crystacast

Product Description

Crystacast is a high strength hemihydrate plaster ($CaSO_4.^1/_2 H_2O$) produced from high purity gypsum mineral. It is off-white in colour. It will produce casts with exceptional detail and surface strength.

Applications

Used for the production of fine detailed giftware models.

Technical Data

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

Initial Vicat setting time @ pwr of 3.57:1, 100/28, by weight	18 minutes
Minimum compressive strength, 2 hours after setting @ pwr of 3.57:1	26.2MN/m²
Minimum compressive strength, dry @ pwr of 3.57:1	55.2MN/m²
Maximum linear expansion, 2 hours after setting @ pwr of 3.57:1	0.5%
Viscosity / spread @ pwr of 3.57:1	10.5cm
Dry set density @ pwr of 3.57:1	Approx. 1850 kg/m³
Yield @ pwr of 3.5kg plaster to 1 litre water	Approx. 0.056 m³ per 100kg plaster

Colour – Colorimeter measurement

L*	92.5
a*	0.3
b*	3.5

Unless otherwise stated, Formula's standard test methods apply. To obtain a copy of the test methods used, 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, please refer to Formula's leaflet 'Casting Plasters'.

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

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Supply Details

Unless otherwise stated, BPB Formula industrial plasters and gypsum minerals are available in 25Kg, 35Kg, 40Kg or 50Kg 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.

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.

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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