

Hartform 1

Product Description

Hartform 1 is a formulated hemihydrate plaster ($\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$) produced from naturally occurring gypsum mineral. It is white in colour. This product is manufactured from a naturally occurring mineral and therefore variations in colour and non-gypsum content are to be expected

Applications

It is used in the ceramics industry for the production of block and case moulds. Used as an ingredient in proprietary formulations. It can also be used for sculpture, general casting of decorative plasterwork and modelling applications.

Technical Data

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

Vicat ring spread @ pwr, by weight, of 2.5:1, 100/40	14 to 24 cm
Knife setting time @ pwr of 2.5:1	8 to 18 mins
Data at pwr of 2.5:1	
Compressive strength, dry	31 MN/m ²
Flexural strength, dry	11 MN/m ²
Brinell hardness, dry	70 MN/m ²
Linear expansion, 2hrs after setting	0.43 %
Sieve Analysis:	
Sieve	% weight retained
+ 200 microns	max. 0.04 %

This plaster can be modified to suit the specific requirements of the customer.

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.

The recommended plaster to water ratio is between 2.4:1 and 2.6:1, with a mixing time of approx. 2 to 4 minutes, depending on batch size.

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 six 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.

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.

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

Address	UK	France	Germany	Spain	Romania
	BPB Formula Newark Works Bowbridge Lane Nottinghamshire NG24 3BZ	BPB Formula 34, avenue Franklin Roosevelt 92282 Suresnes Cedex	BPB Formula GmbH Kutzhütte D-37455 Walkenried	BPB Formula C/Albacete 5° - 6° Planta 28027 Madrid	BPB Formula 22 Decembrie 1989 str. F. N Turda -3350- Jud. CLUJ
Domestic Sales	Tel: +44 (0) 1636 670249 Fax: +44 (0) 1636 670229	Tel: +33 (0) 1 46 25 46 15 Fax: +33 (0) 1 46 25 46 90	Tel: +49 (0) 5525 203-0 Fax: +49 (0) 5525 551	Tel: +34 (9) 1 326 4932 Fax: +34 (9) 1 403 6605	Tel: +40 (0) 64 31 46 16 Fax: +40 (0) 64 31 67 94
Export Sales					
-Europe	Tel: +44 (0) 1636 670213 Fax: +44 (0) 1636 670221	Tel: +33 (0) 1 46 25 46 85 Fax: +33 (0) 1 46 25 46 90	Tel: +49 (0) 5525 203-0 Fax: +49 (0) 5525 551	Tel: +34 (9) 1 326 4932 Fax: +34 (9) 1 403 6605	Tel: +40 (0) 64 31 46 16 Fax: +40 (0) 64 31 67 94
-Outside Europe	Tel: +33 (0) 1 46 25 46 92 Fax: +33 (0) 1 46 25 46 90	Tel: +33 (0) 1 46 25 46 92 Fax: +33 (0) 1 46 25 46 90	Tel: +33 (0) 1 46 25 46 92 Fax: +33 (0) 1 46 25 46 90	Tel: +33 (0) 1 46 25 46 92 Fax: +33 (0) 1 46 25 46 90	Tel: +33 (0) 1 46 25 46 92 Fax: +33 (0) 1 46 25 46 90
Email	formula.marketing@bpb.com	formula@bpb.fr	info@bpbformula.de	formula.marketing@bpb.com	gypsum@mail.dntcj.ro
Technical Service / Health & Safety Details	Tel: +44 (0) 1636 670243 Fax: +44 (0) 1636 670229	Tel: +33 (0) 1 34 50 40 31 Fax: +33 (0) 1 34 50 40 30	Tel: +49 (0) 5525 203 15 Fax: +49 (0) 5525 551	Tel: +34 (9) 1 326 4932 Fax: +34 (9) 1 403 6605	Tel: +40 (0) 64 31 46 16 Fax: +40 (0) 64 31 67 94

