

Glassbond Sauereisen Sealing Cement No.33S

Characteristics

- ❑ Insulates electricity.
- ❑ Withstands temperatures to 1600°F (827°C).
- ❑ Heat conductive and thermal shock resistant.
- ❑ Resists oil, solvents and most acids (except hydrofluoric).
- ❑ Safe to use/non toxic
- ❑ Adheres to metal, ceramics, glass and other surfaces.
- ❑ Odourless.
- ❑ Hardens by chemical set even in confined areas.
- ❑ More economical than organics.

Recommended For

Assembling
Casting
Insulating
Potting
Sealing

Description

Sealing cement No.33S is a chemical-setting, inorganic, silicate-base cement that is used for assembly/sealing applications common to electrical equipment. It is ideal for coating moulds and forms used to produce special shapes and patterns. No.33S is supplied in powder form and need only be mixed with water to apply.

Physical Properties

Coefficient of thermal expansion	9.48 x 10 ⁻⁶ /°F (17.06 x 10 ⁻⁶ /C°)
Colour	White
Compressive strength @ 7 days	1,460 psi (102kg/cm ²)
Flexural strength @ 2 days	250 psi (17 kg/cm ²)
Maximum service temperature	1600°F (827°C)
Modulus of rupture @ 7 days	431 psi (30kg/cm ²)

Physical properties were determined on specimens prepared under laboratory conditions using applicable ASTM procedures. Actual field conditions may vary and yield different results; therefore, data are subject to reasonable deviation. Data should not be used for specification purposes.



BS EN ISO 9001 Certificate No.3607



Glassbond (NW) Ltd., West Side Industrial Estate,
Jackson Street, St Helens, Merseyside, WA9 3AT England
Tel: +44 (0)1744 730334 Fax: +44 (0)1744 451661
Email: Info@glassbond.co.uk Website: www.glassbond.co.uk

Directors: DW Denton, PJ Randell (Bsc), MR Pharm, RJ Randell Consultative Director: DJ Randell (M.I.M)
Glassbond (NW) Ltd. Registered Office: West Side Industrial Estate. Registered in England No. 1378679

Application/Instructions

No.33S powder should be thoroughly remixed before using. Weigh out 75-80% of No 33S powder and 20-25% potable water. Place measured amount of water into a clean mixing container and gradually add the No.33S powder while mixing. Continue mixing until a smooth uniform consistency is obtained. Mixing may be done with a slow speed mixer or by hand with a spatula.

No.33S may be mixed to a thinner consistency by regulating the amount of water used; however, the use of excess water will reduce mechanical strength, increase shrinkage and delay set time. Failure of cement to adhere indicates setting has begun- discard cement. Do not attempt to re-temper by adding more water. Porous substrates may require dampening with Thinning liquid No.14 before applying the mixed cement.

Setting/Curing

No.33S hardens with an internal chemical-setting action in 18-24 hours at ambient temperatures. Working time of No.33S when powder is mixed with water is approximately 30 minutes at 21°C. If it is desired to accelerate the cure, oven drying at 82°C can be used. Avoid steaming while drying. If the cement will be exposed to elevated temperatures, contact Glassbond for appropriate drying schedule recommendations.

If high humidity resistance is required and it is impractical to fire cement, a moisture-resistant lacquer or silicone coating should be applied to the exposed surfaces.

Packaging

This material is supplied in various types and sizes of containers. See price list for details.

Shelf Life

No.33S Powder has a shelf life of twelve (12) months when stored in unopened, tightly sealed containers in a dry location at 21°C. If there is any doubt as to the quality of the material, contact Glassbond.

Caution

Consult the Material Safety Data Sheets and container label Caution Statements for any hazards in handling this material.

Warranty

We warrant that our goods will conform to the description contained in the order and that we have good title to all goods sold. WE GIVE NO WARRANTY, WHETHER OF MERCHANTABILITY, FITNESS FOR PURPOSE OR OTHERWISE, EXPRESS OR IMPLIED, OTHER THAN AS EXPRESSLY SET FORTH HEREIN. Users shall determine the suitability of the product for intended application before using.

Manufactured under licence from Sauereisen Pittsburgh PA.



BS EN ISO 9001 Certificate No.3607



Glassbond (NW) Ltd., West Side Industrial Estate,
Jackson Street, St Helens, Merseyside, WA9 3AT England
Tel: +44 (0)1744 730334 Fax: +44 (0)1744 451661
Email: Info@glassbond.co.uk Website: www.glassbond.co.uk

Directors: DW Denton, PJ Randell (Bsc), MR Pharm, RJ Randell Consultative Director: DJ Randell (M.I.M)
Glassbond (NW) Ltd. Registered Office: West Side Industrial Estate. Registered in England No. 1378679