

# Product Data Sheet

682-(2)-05/14



Makers of Fine Paint Since 1962

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## 682 Epoxy Glue

USE



THINNER/CLEAN



659  
Epoxy  
Thinners

APPLICATION



RE-COAT



HAZARD



*682 Epoxy Glue is a superior non-shrink two component high viscosity gel adhesive especially designed for use in adverse conditions. It is supplied in a handy 1:1 mix ratio in a range of pack sizes.*

**USES:** 682 Epoxy Glue has exceptional bond strength to most clean surfaces. It will cure at low temperatures and on damp surfaces. It is ideal adhesive for structural bonding of dissimilar materials, and where extreme physical properties are a major consideration.

Ideal for bonding, timber, metals, concrete, masonry, porcelain, pebbles, stone, Formica, ceramics and most plastics. 682 Epoxy Glue is especially suited for marine cedar core, diagonal planking and foam core composite construction. It requires no heat to cure to a hard, resilient, water, chemical and solvent resistant polymer.

**APPLICATION:** Abrade and degrease the surfaces to be bonded. Thoroughly mix one part A to one part B, and apply to the work-piece. Clamp lightly to avoid glue starvation. DO NOT THIN. In structural applications do not use until glue is fully cured.

**MIXING RATIO:** Use one part resin to one part hardener by volume, 1: 1 ratio.

**THINNING:** *Do Not Thin.*

**COLOUR:** Translucent.

**DRYING TIME/POT LIFE:** 100gm mass at 23°C has 25 - 30 minutes working time. Do not mix too much for the immediate job in hand. Discard unused mixed material. Do not return to original packages.

**CURE:** 682 Epoxy Glue will cure effectively at temperatures down to 5°C. Cure at ambient temperatures is overnight with full cure taking approximately four to seven days. 682 Epoxy Glue will still cure at lower temperatures but takes longer. Typical Cure times: 48 hrs @ 15°C, 24 hours at 25°C, 12 hours @ 35°C. Do not use at temperatures below 10°C.

### TYPICAL CHARACTERISTICS:

Tensile Strength	30 MPa
Compressive Strength	70 MPa
Shear Strength	15 MPa
Coefficient of Linear Expansion	$6 \times 10^{-5} \text{ mm}^\circ\text{C}$
Density	1100 kg/ltr (@ 25°C)

**CLEAN UP EQUIPMENT:** Uncured adhesive may be cleaned up with 659 Epoxy Thinners. Discard unused mixed product. Do not return to original packages.

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Customers need to appreciate that as Topline Paint cannot control the conditions under which our products are used, we therefore are unable to guarantee suitability or accuracy in every situation. If any doubt exists, do check with our technical people. Before large-scale use always test on a small sample and ascertain suitability. No warranties express or implied are made. The risks and liability arising from handling, storage, use and compliance with legal restrictions, rests with the buyer.



Quality  
ISO 9001

SAI GLOBAL



## 682 Epoxy Glue

### PRECAUTIONS:

*The following information is a general guide only. Industrial users (ie where the product is being used in the workplace) are legally required to have available a Material Safety Data Sheet on this product. If you are unsure if you have an MSDS on this product please contact Topline Paint and one will be provided.*

**Safety Directions:** **KEEP OUT OF REACH OF CHILDREN – DO NOT SWALLOW.** Breathing the vapour is harmful and may cause lung irritation. Avoid contact with skin and eyes. Wear suitable, protective clothing, eye protection and impervious gloves when mixing and using. Handling and usage of this product must be carried out under well ventilation conditions that prevent inhalation of vapours, dust or mist. Use the appropriate breathing equipment (refer to Aust Stand. 1716) when ventilation is restricted. Keep containers closed when not in use. Eliminate any source of ignition (open fires, pilot lights, furnaces, spark producing switches etc.) as this product is flammable. **DO NOT SMOKE.** Take precautionary measures against static discharges. Used clean up rags may spontaneously ignite. To avoid ignition immerse in water or store in a sealable glass container.

**First Aid Instructions:** If affected by inhalation, remove to fresh air. If breathing difficulty persists or occurs later, consult a doctor. If swallowed, **DO NOT INDUCE VOMITING** drink plenty of water and seek medical advice. Contact a Doctor of Poisons Information Centre (Phone 131126). If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water. If irritation occurs seek prompt medical advice. Immerse contaminated clothing in water for 24 hours and do not use until laundered. In case of eye contact, hold eyes open and flood with running water for at least 15 minutes seek medical advice.

**Leaks, Spills and Disposal:** To prevent ignition of fumes product shut off all ignition sources. Contain or shut off leak if safe to do so. For large leaks or spills of volatile, flammable product, use respiratory protection, protective apparel and footwear. Spills should be absorbed either with rags (small spill) or dry sand/earth (large spill). In the case of flammable product spillage, use spark free implements to place rags or absorbed material into a solvent resistant container. Cover with water for 24 hours before disposal. DO NOT pour left over product down the drain – retain it in marked sealed container for future use or disposal through chemical waste collection programs. Dried empty cans can be recycled and should be disposed of via council steel recycling facilities.

**Fire:** Use foam and breathing apparatus. Avoid breathing products of combustion.

**Hazard:** The coloured square at the top of page 1 is provided for a quick reference as to the hazard level of a product. Blue refers to coatings with low hazard (eg water based wall paints). Yellow refers to medium hazard products such as QD enamels, which contain solvents, are flammable and need respirators for vapour protection. Red refers to products with special hazards such as isocyanate cured two pack finishes