

WC112 – Technical Data Sheet



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Description

WC112 is a single-component structural acrylic adhesive designed to bond cast acrylic sheet with a bond strength that should always outperform the substrate. This ultra high strength is achieved by using a bespoke blend of advanced acrylic polymers which when combined with our non-Dichloromethane cure system provides a fast bond speed with ultra high clarity.

Following the growing concern regarding the possible carcinogenic effects of Dichloromethane, **WC112** was developed using an alternate derived from renewable resources (very low environmental impact). This alternate is very safe to use and brings a number of marked improvements to the adhesive system including:

- A faster cure speed and handling strength,
- Improved optical clarity with no amber or blue tint to the cured material,
- A safer to use structural adhesive.

Properties of Uncured Material

Resin	Methyl methacrylate
Colour	Transparent
Appearance	Clear liquid
Viscosity Brookfield T-Bar	3,000 cps
Handling strength	3 hours @ 20°C
Joint machine time	24 Hours

Performance of Cured Material

ASTM D1002 Lapshear Acrylic	Substrate failure
Gap fill	0.15-0.6mm
Temperature Range	-55 °C to 120°C

Directions for Use

1. Always consult MSDS before using **WC112** for the first time.
2. Carry out surface preparation where required on the cast acrylic sheet.
3. Dispense a line of adhesive and quickly assemble the parts to minimise solvent evaporation.
4. Allow the adhesive sufficient time to achieve handling strength before moving or unclamping components.

Please consult the WC112 Health & Safety Data Sheet for statutory regulation information.

Information relating to the products of Bondrite Adhesive Limited is based on tests carried out under laboratory conditions. If any of our products are not used in accordance with our instructions or are used under conditions which vary from our laboratory, they may not perform in accordance with any information provided and Bondrite shall not have any liability in this case. Bondrite will accordingly provide samples of our products, on request and free of charge, for Customers to carry out their own tests as to suitability of our product for their purposes and as used in their intended environment.

Purchase from Bondrite

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