

Metal Bond Rapid Epoxy

DESCRIPTION

Sylmasta Metal Bond Rapid is a high strength, fast-curing, two-component adhesive/filler with outstanding adhesion to most rigid materials. It can be used as a filler and adhesive for metal castings, automotive parts, models and test rigs, and for repairing ceramics, brick, plaster, wood and fibreglass objects.

Metal Bond Rapid is supplied in a double syringe or cartridge dispenser. The use of a dispenser means that the correct ratio of resin and hardener is delivered for each application.

After mixing, Metal Bond Rapid begins to set in 3 - 5 minutes at 20°C. This gives a handling time of 30 minutes and full cure is achieved within 4 - 6 hours.

DIRECTIONS FOR USE

1. Joint surfaces must be clean, dry and free from all traces of grease, oil, dust etc.
2. Improved bond strength can be achieved by lightly abrading both surfaces to be bonded.
3. Measure out the required amount and mix the two components for about 30 seconds until an even mix is achieved.
4. Apply the adhesive to one surface and press or clamp the two surfaces together. Support the joint if necessary.
5. Leave undisturbed until the handling time has elapsed.

TECHNICAL FEATURES

COLOUR.....	Grey
MINIMUM SHELF LIFE (months @ 15 - 25°C,)	24
WORKING TIME (minutes @ 20°C),	3 - 5 minutes
INITIAL CURE (minutes @ 20°C),	6 minutes
HANDLING TIME (minutes @ 20°C),	30 minutes
FULL CURE (hours).....	4 - 6
BOND LINE THICKNESS (mm).....	< 4
LAP SHEAR TENSILE STRENGTH (Steel) (MPa)...	20
SHORE D HARDNESS.....	80
SHRINKAGE (%)	0%
APPLICATION TEMPERATURE.....	+5°C to +35°C
SERVICE TEMPERATURE	-20°C to +60°C

STORAGE

Should be stored out of direct sunlight in dry, frost free conditions at temperatures between 15° and 25°C. Under such conditions shelf life will be 2 years from the date of manufacture.

PRESENTATION

25ml double syringe dispenser, 50ml cartridge and 200ml cartridge. Cartridges come with mixer nozzle.

HEALTH & SAFETY IN USE

Metal Bond is currently classified as an irritant. Wear suitable rubber or plastic coated gloves.

Whilst all reasonable care is taken in compiling technical data on the Company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company. It is the customer's responsibility to satisfy themselves that each product is fit for the purpose for which they intend to use it, that the actual conditions of use are suitable and that in the light of our continual research and development programme the information relating to each product has not been superseded.