

A thick dark grey vertical bar runs along the left edge of the page. In the lower-left quadrant, several thin, curved lines in black and grey sweep upwards and to the right, creating an abstract, organic shape.

GLAZE PLUS

TECHNICAL DATA SHEET

PROBOND GP-R101 | GP-H201

PROBOND GP-R101 | GP-H201



DESCRIPTION

GP-R101 resin is a modified epoxy resin. GP-H201 is suitable to cure epoxy resin at ambient temperature. It is also suitable for bonding a variety of materials including metal, ceramic, and concrete where relatively high strengths are required.

GP R-101 RESIN

Description	Visual	Clear transparent liquid
Colour	ASTM D 1544	MAX 1 G
Viscosity @25°C	ASTM D 2196-05	25000 – 35000 Mpas
Density @25OC	ASTM 1475 - 98	1.01 – 1.1

GP H-201 HARDENER

Description	Visual	Greyish black paste
Colour	ASTM D 1544	Max 8
Viscosity @25°C	ASTM D 2196-05	25000 - 35000
Density @25OC	ASTM D 1475-98	0.92 – 0.98

PROCESS PARAMETERS

Mixing ratio	W/W	100 : 80
Pot life	Minutes	35 - 45
Mix viscosity @25°C	ASTM D 2196 - 05	25000 - 35000
Surface dry of thin film @25°C	Minutes	60 - 90

Touch dry of thin film @25°C	Minutes	150 – 180
Hard dry of Thin film @25°C	Minutes	250 – 400
Tensile shear strength Al-Al joint, after 24 hours @27°C	Kg/Sq.cm	90 - 120

APPLICATION

- Metal
- Ceramics
- Concrete
- Marble joining
- Electronic speakers

ADVANTAGES

- High shear and peel strength
- Good electrical insulation properties
- Long working time
- Long open time
- Easy to apply
- Water resistance

SURFACE PREPARATION

The adherents must be thoroughly degreased with a good degreasing solvent (e.g. toluene, acetone trichloroethylene) and abraded with coarse emery paper or chemically etched. Inadequately pre-treated substrates may not bond satisfactorily.

APPLICATION

The mixed mass is applied by brush or spatula on the surface to be adhered. The mix must be used within its pot-life.

CURING

Curing normally takes place at room temperature within about 24 hours depending on the ambient temperature but may be accelerated by the application of heat.

PACKING

36gm | 90gm | 180gm | 360gm | 450gm | 900gm | 1Kg 800gm | 4.5Kg | 5Kg

STORAGE

GP-R101 and GP-H201 and should be stored in a cool and dry place, preferably in the sealed container and should not be exposed to direct sunlight. This product has a shelf-life of 2 years, if stored in its original container between 2°C and 40°C away from humidity and excessive heat. This may cause pronounced skin irritation, therefore rubber gloves, eye protection creams and breathing mask are recommended.

TECHNICAL SUPPORT

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