

Platinum Ultraclear (non food grade)

Description

Ultraclear Part A is a reactive diluent modified Bisphenol-A based liquid epoxy resin. Part A can be used in a wide range of applications because of its low viscosity. It improves wetting, impact resistance and flexibility in the coating formulation.

Ultraclear Part B is a low viscosity modified cycloaliphatic polyamine curing agent. When formulated with liquid epoxy resins it gives clear, air free, glossy surfaces. It also provides resistance to variety of chemicals such as acids, alkalis, hydrocarbons and water. Part B, being cycloaliphatic, also provides excellent weather resistance. It is less irritating, gives low odour, excellent transparency and light colour.

The system Platinum Ultraclear non food grade is designed to cure at room temperature. Ideal for thermoset coatings, floor toppings.

Applications

- Solvent-free, self-leveling floorings
- Clear Castings
- Top Coats

Advantages

- Rapid dry time
- Low mixed viscosity
- Low Colour
- High Gloss

Typical properties *

Platinum Ultraclear NFG Part A

Appearance	Visual	Clear liquid
Colour	ASTM D 1544-04	0.2 G.
Epoxy Equivalent weight	ASTM D 1652-04	200 g/eq
Viscosity @25°C	ASTM D 2196-05	750 cP

Platinum Ultraclear NFG Part B

Appearance	Visual	Clear liquid
Colour	ASTM D 1544-04	1.0 G
Viscosity @25°C	ASTM D 2196-05	250 - 500 cP
AHEW		~ 95
Amine Value	DIN 16945	235 – 270 mgKOH / g

Typical properties***Platinum Ultraclear NFG System**

Resin : Hardener mixing ratio	pbv	100 : 50
Pot life (150g mix)	TEC-AS-P-111	60 min
Mix viscosity at 25 °C		450 cP
Thin film set time@ 25 °C		7.15 hr
Glass Transition Temperature	DIN 11357	51 °C
Tensile Strength	ASTM D 638-86	30 MPa
Flexural Strength	ASTM D 638-86	51 MPa
Compressive Strength	ASTM D 695-85	42 MPa

* = Typical properties are indicated for information only

Packing

Platinum UltraClear NFG is packed in 375ml, 750ml, 1.5lt, 3lt, 6lt, 15lt as a standard pack. Other packs are available on request.

Storage

Platinum Ultraclear (non food grade) should be stored in their original tightly closed containers, in dry and warm conditions. Under these conditions, it has a storage life of at least one year from the date of manufacturing.

Handling

Please refer to the MSDS of the individual products for more instructions on safe storage and handling of Platinum Ultraclear (non food grade)

Disclaimer

All recommendations for use of our products whether given by us in writing, verbally or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Although, the information contained in this sheet is accurate, no liability can be accepted in respect of such information. We warrant only that our product will meet the designated specifications and make no other warranty either express or implied, including any warranty of merchantability or fitness for a particular purpose as the conditions of application are beyond our control.

For additional information:

For Additional Information, Please Contact:

Platinum Epoxies LLC - Australia - China - USA

Manufactured in Australia using local and imported raw materials.



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