



Razeen® LR 2253

Modified liquid Epoxy Resin

General Razeen® LR 2253 is a low viscose epoxy resin based on bisphenol A and modified with an aliphatic diglycidyl ether.

Applications Razeen® LR 2253 can be cured with polyamines, polyamidoamines or their adducts in order to formulate solvent free coatings, self-leveling and mortar floors, concrete injections, structure adhesives, trowelling compounds and impregnation systems. In combination with unmodified epoxy resins like Razeen® LR 1100 or LR 1150 the viscosity of the end formulation can be adjusted.

Properties Due to the low viscosity the crystallization stable resin Razeen® LR 2253 is most suitable for the formulation of solvent free coatings and flooring systems which show the following performance:

- Relative high reactivity
- Good surface hardness and flexibility after curing
- Good organic solvent resistance
- Best alkali resistance (ammoniac) of all reactive diluent modified resins
- Good penetration into concrete

Specific key data	Property	Value	Test method
	Appearance	Clear, No Contamination	JCTM 001
	Color Gardner	3 max	ASTM D-1544
	Epoxy Value	5.40 - 5.81 eq/Kg	ASTM D-1652
	Weight per epoxide	172 - 185 g/eg	ASTM D-1652
	Viscosity @ 25°C (77°F)	800 - 1400 mPa.s	ISO 12058-1

Specific key data are individually checked thought, guaranteed, and included in the certificates of analysis.

Typical key data	Property	Value	Test method
	Density at 25°C	1.15 g/cm ³	ISO 1675
	Flash point	≥ 138 °C	ISO 2719

Typical key data are spot-checked; the values are typical for the product and are indicated for information only. The values are not included in certificate of analysis.

As-supplied form	Liquid
Odor	Yes very light
Self life (at storage temperature between 2 - 40°C) (See expiry date on original container)	Several Years
Hazardous decomposition products	Carbon monoxide, carbon dioxide, nitrogen oxides and other toxic gases and vapors
Disposal	Regular procedures approved by local authorities

Packaging & Storage	Razeen® LR 2253 is supplied in bulk and in 220 kg steel drums. This product should be stored in a dry place, preferably in the sealed original container; at temperatures between 2°C and 40°C (temperatures will never be allowed to drop under 0°C). The product should not be stored exposed to direct sunlight.
Handling Precautions	Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product safety data sheets.
Note	Razeen® is a registered trademark of JANA or an affiliate thereof.

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