



Chemieresin Industries Pvt. Ltd.

Plot No. 901/A, Phase - 4, GIDC - Naroda, Ahmedabad - 382330

Technical Data Sheet

Product : CR – 142

Description :

CR 142 is a modified aromatic amine hardener based on 4,4' diamino diphenyl methane. It is suitable to cure epoxy resin at ambient temperature. It offers superior chemical resistance to acids, alkali and organic solvents when cured with modified and unmodified epoxy resins based on bisphenol - A and F. It offers very faster reactivity and short pot life at ambient temperature. Hence it is often used with CR 142 adjust cure speed.

Advantages :

Excellent chemical resistance
Faster reactivity
Used with CR 142 to adjust reactivity

Applications :

Chemical resistant floorings and screed
Solvent free and high solids coating
Tank lining

Processing :

Chemical resistant coating and flooring

Typical specifications :

Properties	Unit	Values
Appearance	-	Dark - brown liquid
Colour	GS	Max 9
Amine value	eq/kg	4.0 - 4.7
Acid value	mgKOH/g	24 - 28

Viscosity at 25°C	mPas	15,000 - 21,000
Pot life at 25°C	1Minutes	20 - 40
Glass transition temperature	2°C	100
AHEW	g/eq	114
Recommended ratio	w/w-60	

1Pot life of 100 g mix mass at 25°C. Mixing ratio of CR 110:CR 142 is 100:60 w/w
2 Cure schedule 105°C/1 hour

Packaging :

CR 142 is available in 200 kg MS | HDPE drums. Other packing may be considered on request.

Storage and handling :

CR 142 should be stored in a cool and dry place, preferably in a sealed container and should not be exposed to direct sun light. This product has a shelf - life of 1year, if stored in its original container between 18°C and 25°C away from humidity and excessive heat.

Please refer to the Safety Data Sheet (SDS) for detailed instructions on storage and handling.

Safety :

Wear personal protective equipment (PPE). Avoid contact with the eyes and skin. In case of direct contact and irritation, the resin should be washed off immediately with soap and warm water. Avoid breathing vapours, mist or gas.

Please refer to the SDS for detailed safety instructions.

Spills and disposal :

In case of spills, sweep up and shovel the spilled material. Keep spilled material in suitable, closed containers for disposal. Soak up with an absorbent such as clay, sand or other suitable material. Flush area with water to remove trace residue. Do not allow the product to reach the sewage system. Waste must be disposed of in accordance with federal, state or local regulations, as applicable.