

Description

Lapox K-540 is a low viscosity solvent free phenalkamine curing agent based on cashew nut shell liquid. It is suitable to cure epoxy resin at ambient temperature as well as low temperature up to 5°C. It is used along with modified or unmodified epoxy resins for solvent free and high solids coatings. It can be also used for solvent based paints with epoxy resin solution (type-1) for applications like container coatings, marine coating and industrial maintenance paints.

Advantages

- Cure under moist condition
- Good adhesion to poorly prepared surface
- Good chemical resistance to mild acids and alkalis
- Low temperature cure

Applications

- Heavy duty anti-corrosive coating
- Marine and industrial maintenance coating
- Primer for metal and concrete

Processing

Paints

Typical specifications

Properties	Unit	Test method	Values
Appearance	-	Visual	Reddish-brown liquid
Colour	GS	ASTM D1544	Max 15
Amine value	mg KOH/g	ASTM D2073	490 - 550
Viscosity at 25°C	m Pas	ASTM D2196	2,000 - 4,000
Density at 25°C	g/cc		0.98 - 0.99
Pot life at 25°C ¹	Minutes	ASTM D 2471	30 - 55
Volatile content, 105°C / 1 hour	%	-	Max 5
AHEW	g/eq	-	80
Recommended ratio	w/w	-	40

¹Pot life of 100 g mix mass at 25°C. Mixing ratio of Lapox B-11: Lapox K-540 is 100:40 w/w

Packaging

Lapox K-540 is available in 200 kg MS | HDPE drums and 1,000 kg IBC. Other packing may be considered on request.

Storage and handling

Lapox K-540 should be stored in a cool and dry place, preferably in a sealed container and should not be exposed to direct sunlight. This product has a shelf-life of 9 months, 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.

Contact

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Note

Lapox® is a registered trademark of Atul Ltd.

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