

# LAPOX<sup>®</sup> AH-543 (XH-80)

Technical Data Sheet | Polymers Business



## Description

Lapox AH-543 (XH-80) is a light coloured, low viscosity phenalkamine based on cashew nut shell liquid. It can able to cure modified and unmodified epoxy resin at room temperature as well as low temperatures up to 5°C. It is able to demonstrate good curing characteristic in presence of moisture and high humid conditions. When cured with epoxy resins it provides superior corrosion protection coupled with excellent film forming ability and adhesion to variety of substrates.

## Advantages

Excellent adhesion to metal and concrete  
Good chemical resistance to mild acids and alkalis  
Light colour  
Low viscosity  
Moisture sensitive

## Applications

Industrial maintenance coatings  
Marine coatings  
Primer and paints

## Processing

Protective coating by brush, roller or spray

## Typical specifications

Properties	Unit	Test method	Values
Appearance	-	Visual	Yellow-brown liquid
Colour	GS	ASTM D1544	Max 15
Amine value	mg KOH/g	ASTM D2073	300 - 350
Viscosity at 25°C	m Pas	ASTM D2196	2,000 - 5,000
Volatile content, 105°C / 1 hours	%	-	Max 5
Density	g/ml	-	0.97 - 0.99
Pot life at 25°C <sup>1</sup>	minutes	ASTM D2471	50 - 65
AHEW	g/eq	-	125
Recommended ratio	w/w	-	67

<sup>1</sup>Pot life of 100 g mix mass. Mixing ratio for pot life with Lapox B-11: Lapox AH-543 (XH-80) is 100:67 w/w

## Packaging

Lapox AH-543 (XH-80) is available in 200 kg MS | HDPE drums and 1,000 kg IBC. Other packing may be considered on request.

## Storage and handling

Lapox AH-543 (XH-80) 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 1 year, 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.

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## 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<sup>®</sup> is a registered trademark of Atul Ltd.

## Manufacturing site

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