

# LAPOX<sup>®</sup> K-41

Technical Data Sheet | Polymers Business

**Description** Lapox K-41 is a medium viscosity modified aromatic amine 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 slow reactivity and long pot life at ambient temperature. Hence it is often used with Lapox K-42 to accelerate cure.

**Advantages** Excellent chemical resistance  
Long pot life

**Applications** High glossy floor toppings  
Protective and decorative coatings

**Processing** Brush, roller or spray coating

## Typical specifications

Properties	Unit	Test method	Values
Appearance	-	Visual	Brownish-yellow liquid
Colour	GS	ASTM D1544	Max 13
Amine value	eq/kg	ASTM D2073	4.7 - 5.1
Viscosity at 25°C	m Pas	ASTM D2196	3,800 - 5,800
Pot life at 25°C <sup>1</sup>	h	ASTM D2471	8 - 10
Glass transition temperature <sup>2</sup>	°C	-	100
AHEW	g/eq	-	114
Recommended ratio	w/w	-	60

<sup>1</sup>Pot life of 100 g mix mass at 25°C. Mixing ratio of Lapox B-11: Lapox K-41 is 100:60 w/w

<sup>2</sup>Cure schedule 105°C/1 hour

**Packaging** Lapox K-41 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-41 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

## Note