

# LAPOX<sup>®</sup> AH-416

Technical Data Sheet | Polymers Business

## Description

Lapox AH-416 is a low colour, low viscosity modified cycloaliphatic polyamine capable to cure epoxy resin at ambient temperature. The cured mass gives high gloss with an excellent surface finish suitable for protective and decorative coatings. The film withstand variety of chemicals includes acid, alkali, alcohols and hydrocarbon solvents. Excellent low colour of the hardener makes suitable for self-leveling floor and decorative top coats.

## Advantages

Excellent resistant to mild acid, alkali and organic solvents  
Free from amine blush  
High gloss  
Low viscosity

## Applications

High glossy floor toppings  
Protective and decorative coatings

## Processing

Brush, roller or spray coating

## Typical specifications

| Properties                    | Unit     | Test method | Values       |
|-------------------------------|----------|-------------|--------------|
| Appearance                    | -        | Visual      | Clear liquid |
| Colour                        | GS       | ASTM D1544  | Max 1        |
| Amine value                   | mg KOH/g | ASTM D2073  | 250 - 300    |
| Viscosity at 25°C             | m Pas    | ASTM D2196  | 400 - 800    |
| Pot life at 25°C <sup>1</sup> | Minutes  | ASTM D2471  | 30 - 45      |
| AHEW                          | g/eq     | -           | 114          |
| Recommended ratio             | w/w      | -           | 60           |

<sup>1</sup>Pot life of 100 g mix mass with Lapox B-11 (EEW: 190), mixing ratio of Lapox B-11: Lapox AH-416 is 100:60 w/w

## Packaging

Lapox AH-416 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-416 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.

## 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.

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