

ACIDEX 40271 HT

High-build acid-resistant coating

Internal reference: BD40271 - Series: ACIDEX

Product summary

Acid-resistant polymer coating designed for the repair and protection of equipment, pipelines, tanks and storage vessels in medium- and high-concentration acidic environments.

Typical applications

- Pipelines
- Tanks and vessels
- Equipment in acidic service
- Chemical storage areas

Key benefits

- Resistant to high-concentration acid corrosion
- Good adhesion
- No shrinkage after cure
- Ointment-type, anti-sag
- Convenient application

Main technical data

Property	Value
State / method	Grey ointment type / Trowel
Density	1.5 +/- 0.1 g/cm ³
Working time	<= 40 min
Cure time	>= 24 h
Compressive strength	>= 115 MPa
Shear strength	>= 14 MPa
Hardness	>= 85 Shore D
Service temperature in acid	-50C to 80C
Mix ratio	A:B = 3:1
Thickness per coat	0.5 to 1 mm

Property	Value
Tested media	HCl 30%, H ₂ SO ₄ 72%, H ₃ PO ₄ 60%, HNO ₃ 20%
Mass change	< 1% after 30 days
Packaging	10 kg/set

Recommended procedure

1. Prepare the metallic surface, leaving it clean, dry and rough.
2. Mix A and B according to a 3:1 ratio and use within the stated working time.
3. Apply in crossing coats using more than two passes while respecting the thickness per coat.
4. Cure for 24 hours at 25C; for highly concentrated acids, complete cure at 80C for 2 hours.

Application notes

On large areas, a holiday detector and a film thickness gauge are recommended to ensure continuity and adequate thickness.

Safety and storage

Use gloves, protective eyewear and adequate ventilation. Avoid contact with eyes and skin. Store in a cool, ventilated and dry place; keep away from children, ignition sources and hazardous objects.