

ACIDEX 40273 BR

Brush-applied acid-resistant coating

Internal reference: BD40273 - Series: ACIDEX

Product summary

Acid-resistant polymer coating for the repair and protection of pipelines, tanks and storage vessels in medium- and high-concentration environments. Its fluid formulation facilitates brush or roller application.

Typical applications

- Pipelines
- Tanks and vessels
- Complex surfaces
- Brush or roller application

Key benefits

- Resists a range of strong acid solutions
- Good adhesion
- Low cure shrinkage
- Anti-sag
- Simple construction

Main technical data

Property	Value
Colour / state	Grey / Fluid
Density	1.5 +/- 0.1 g/cm ³
Compressive strength	>= 920 kg/cm ²
Shear strength	>= 160 kg/cm ²
Tensile strength	>= 320 kg/cm ²
Hardness	>= 80 Shore D
Application method	Brush, roller or trowel
Working time (100 g)	<= 40 min
Initial service	>= 24 h
Service temperature in acid	-50C to 90C

Property	Value
Mix ratio	A:B = 7:1
Thickness per coat	0.5 to 1 mm
Tested media	HCl 30%, H ₂ SO ₄ 72%, H ₃ PO ₄ 85%, HNO ₃ 20%
Mass loss	< 1% after 7 days
Packaging	10 kg/set

Recommended procedure

1. Prepare the metallic substrate until it is clean, dry and rough.
2. Accurately weigh A and B in a 7:1 ratio; batches under 2 kg are recommended.
3. Apply in crossing coats with a brush or roller while respecting thickness per coat.
4. Cure for 24 hours at 25C; for highly concentrated acid service, complete cure at 80C for more than 2 hours.

Application notes

On large areas, a holiday detector and film thickness control are recommended.

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.