



Epoxy Coating

DUOCHEM 5001

DESCRIPTION AND USES

DUOCHEM 5001 is a high build, two-component epoxy coating. This all-purpose epoxy system can be used as a protective coating on walls, floors, ceilings, equipments, tanks or other surfaces requiring protection against wear, humidity or common chemicals.

CHARACTERISTICS

- Waterproof
- Tough and abrasion resistant
- Resistant to many common chemicals
- Does not support growth of bacteria or fungi
- Easy to apply
- Easy to clean and repair
- Excellent adhesion to wood, concrete or metal

APPLICATION INSTRUCTIONS

Surface Preparation

Substrate must be dry and free of all grease, wax, paint, curing compounds or any other contaminant.

In case of doubt or for information on primers to use, contact DUOCHEM.

Application

Stir contents of part A and B containers separately with clean stirrer for each. Then mix the two components thoroughly in the proportion of 4 parts of A to 1 part of B per volume. Allow a 30 minute induction period, remix, and then proceed with the application.

The DUOCHEM 5001 coating can be applied at different thicknesses, depending on the application method and the requirements. The coverage per litre, per coat, will also vary as follows:

Spray application

200–250 microns wet, 100–125 microns dry, 3.5 m²/l. (8–10 mils wet, 4–5 mils dry, 145 ft²/US gallon).

Brush or roller application

100–150 microns wet, 50–75 microns dry, 6.6 m²/l. (4–6 mils wet, 2–3 mils dry, 270 ft²/US gallon).

PRECAUTIONS

- Consult Material Safety Data Sheet prior to use.
- Do not apply at temperatures below 13°C (55°F).
- Exterior application may cause yellowing and chalking of material.
- Ensure proper ventilation.

TECHNICAL INFORMATION

Color:	DUOCHEM standard colors or request	
Solids content:	Per volume	49 %
	Per weight	62 %
Mixing ratio:	4 parts A to 1 part B by volume	
Induction time:	30 minutes	
Pot life:	8 hours	
Application method:	Spray, brush or roller	
Number of coats:	Usually 2	
Recommended thickness:	50 – 75 microns dry (2 – 3 mils dry)	
Coverage:	Varies depending on application method; refer to application instructions	
Recoat time:	18 hours	
Curing time:	Tack free	4 hours
	Hard dry	18 hours
	Full cure	7 days
Thinning solvent:	Not normally recommended, 5% maximum only if necessary	
Cleaning solvent:	DUOCHEM 201	
Shelf life:	1 year in original unopened container	
Packaging:	3.78 and 18.9 litres (1 and 5 US gallons)	