



DURALKOTE M

COAL TAR EPOXY COATING FOR STEEL AND CONCRETE

EUCLID CHEMICAL

COATINGS

DESCRIPTION

DURALKOTE M is a thixotropic, tar extended, two pack epoxy formulation, containing inert, reinforcing fillers, and a special blend of solvents. **DURALKOTE M** supplied in pre-measured quantities ready for site mixing and use.

PRIMARY APPLICATIONS

- Sewage treatment plant
- Immersed piers
- Steel and concrete silos
- Oil and gas refining plants
- Tank foundation
- Marine structures

FEATURES / BENEFITS

- High film build in single application.
- Suitable for concrete and steel surfaces
- Can be applied onto damp or humid surfaces
- Easily applied by brush, roller and airless spray
- Provide long term protection

TECHNICAL INFORMATION

Colour:	Black	
Specific Gravity:	1.30 to 1.40	
Solid Content by Volume:	Min. 70%	
Solid Content by Weight:	Min. 80%	
Adhesive Strength:	2 N/mm ² on concrete 4 N/mm ² on ground steel	
Touch dry:	7 to 8 hours @ 23°C 4 to 5 hours @ 35°C	
Full Cure:	7 days @ 23°C 5 days @ 35°C	
Overcoating Times:	Min	Max
23°C	24 hrs	96 hrs
35°C	16 hrs	72 hrs
45°C	10 hrs	24 hrs

PACKAGING

DURALKOTE M is available in 15.5L packs.

SHELF LIFE

The shelf life is 12 months if stored properly in original, unopened and undamaged sealed packaging in dry condition at temperature between +5°C and +30°C. Protect from direct sunlight.

COVERAGE

5m²/Litre @ 200microns wft

DURALKOTE M

MASTER FORMAT #:
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DIRECTIONS FOR USE

Surface Preparation: The surface must be dry and free from contamination such as oil, grease, loose particles and organic growth. Concrete surface must be fully cured, laitance free and free from any traces of shuttering, release oil and curing compounds.

Steel Surfaces

All surfaces should be grit blasted to meet the requirements. The lining work should be programmed so that newly cleaned steel is coated as soon as possible before the formation of rust or scale.

Mixing: Stir Part A (base component) thoroughly prior to application. Add Part B (hardener) and mix thoroughly with an electric stirrer using up and down movement. The mixed materials can be used immediately.

Application: All surfaces should be treated with at least two coats of **DURALKOTE M**. The first coat should be applied by brush, roller or airless spray to achieve a uniform coating with a minimum wet film thickness of 200 microns. The coat should be allowed to dry for 16 hours at 20°C. The second coat should be applied as above, again achieving a minimum wet film thickness of 200 microns. When using airless spray equipment, a nozzle pressure of 2000 psi (140 bar) and a nozzle orifice of 0.031 inch are required at 20°C.

CLEAN UP

DURALKOTE M should be removed from tools and equipment with suitable solvent immediately after use.

HEALTH & SAFETY

DURALKOTE M contains coal tar pitch and is flammable. Possible risk of irreversible if contact with skin. Avoid contact with skin and eyes and inhalation of vapour. Ensure adequate ventilation. If working in confined areas, then suitable respiratory equipment must be worn.

PRECAUTIONS / LIMITATIONS

- **DURALKOTE M** should not be applied over existing coating.
- **DURALKOTE M** is not colour stable when exposed to direct sunlight or when it contact with some chemicals.
- Application should not be undertaken when the prevailing Relative Humidity exceeds 90%. The surface temperature must be at least 4°C above the dew point at all times to prevent moisture condensation.

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