

Fusion Bonded Medium Density Polyethylene Coating (FBMDPE)

Fusion Bonded Medium Density Polyethylene (MDPE) Coating which is applied directly to the pipe using a fusion bonding process.

The steel is thoroughly cleaned by shot blasting and is then heated by gas burners which also remove any residual dust or contaminants. Finally the pipe is rotated in a fluidised bed of MDPE powder which fuses onto the hot surface to the required thickness - 1.6 mm to 2.3 mm, depending on diameter.

Top-quality features of FBMDPE:

- Low water absorption
- Excellent adhesion to steel surfaces
- High impact, load and soil stress resistance
- Ability to accept pipe bending without damage to coating
- High dielectric strength and electrical resistivity
- Wide service temperature range (-40°C to +70°C)
- Low CP current requirements (typically <5 A/m²)
- Consistent application success rate
- Exceptional UV protection for above ground application as well as storage prior to laying

Linings

Liquid Epoxy Linings

These have been utilised successfully for many years in systems conveying water, chemical and petrochemical products. Various grades are available to suit specific service requirements. Lining Capability: Ø610 mm to Ø2560 mm



Cement Mortar Linings

For use in potable water lines or raw water lines with a pH above 7. The system offers an appropriate balance between performance and economic considerations with respect to corrosion, wear protection, ease of installation and final cost.

Hall Longmore has both drag trowel and spin lining facilities in-house typically for pipe diameters up to DN650 and DN700 and above respectively.

Lining Capability: Ø219 mm to Ø2132 mm

