

PRODUCT FACT SHEET

Dulux[®]
PROTECTIVE COATINGS

DULUX[®] FLEXITUFF[®]

The High Strength Polyurea Elastomer



DULUX® FLEXITUFF®

Dulux® Flexituff® is a 100% solids, spray applied pure polyurea elastomer coating system with extraordinary toughness and high elasticity and recovery. This high build, seamless lining offers high impact, tear and abrasion resistance, excellent chemical resistance and outstanding waterproofing properties.

USES

Ideal in mining and process industries as a resilient lining for hopper cars, conveyors, tanks, slurry systems and various equipment parts that are subject to extreme abrasion. It is also suitable in sewerage and waste treatment plants on walls and rake arm assemblies in settling tanks, clarifiers and filters. Spray directly to pipe and urethane foam pipe insulation. Withstands rough installation and burial in a variety of soils without the need for graded back-fill.

FEATURES

- Zero VOC - less hazardous in storage and transport
- Extremely high elongation factor of 427% (ASTM D412-92)
- Excellent tensile strength of 16.5 MPa (ASTM D412-92)
- Extremely tough (49.7 N/m² -ASTM D624-86)
- 15 second set time and 1 day full cure
- Will fully cure at 1°C and remain flexible down to -43°C
- No TDI or MOCA

BENEFITS

- Seamless - avoids the most common failure point of sheet linings
- Accommodates severe substrate movement and high impact
- Fast cure – allows extremely short down-times
- Safe – suitable for holding drinking water

PERFORMANCE GUIDE

Weatherability	Excellent
Heat Resistance	Resists temperatures up to 120°C.
Water Resistance	Suitable for immersion
Abrasion Resistance	Outstanding – ASTM D624-86 = 49.7N/m ²
Solvent Resistance	Fair to poor
Acid Resistance	Very Good
Alkali Resistance	Excellent
Salt Resistance	Excellent
Standards & Tests	AS4020 (Int):1994 (Potable Water)

APPLICATION

Heated, plural component, high pressure airless spray equipment.

