

MAK POLYKOTE™

Coal Tar pitch or Bitumen based
Anti-corrosive wrapping Tapes



Description

Mak Polykote is an anti-corrosive tape based on Coal Tar pitch or Bitumen and specifically designed to comply with the requirements of IS:10221-1982. It incorporates a central core of HMHDPE film which lends mechanical strength, dimensional stability to the product. These central cores are laminated with 2 layers of coal tar or bitumen mix. The final product has a top and bottom layer of thermo fusible HMHDPE Film. All the five layers are calendered together to create this revolutionary 2mm thick tape. The material conforms to IS:15337-2003 and AWWA : C203-2008.

Application Procedure

- ◆ Wire brush the Pipe to remove all foreign debris.
- ◆ Apply a coat of Mak Primer @ 200 gm/sqm and allow it to dry till it becomes tacky.
- ◆ Mak Polykote is then wound around the pipe in spiral or circumference fashion and bonded to pipe by thermo fusion process using LPG Torch. An overlap of 12mm is to be allowed. The overlaps are to be sealed by thermo fusion process. The overlap on each side of the welded joints is to be 50mm.
- ◆ An area of 250 mm at the end of the Pipes is to be left uncoated to permit installation and welding. This area is to be coated after welding.

Technical Specifications

Characteristics of Coaltarmix

Characteristics of Coaltarmix	Value
Softening Point	65°C -121°C
Penetration 25°C 100g, 5Sec.	3 to 20 tenths of mm
Filler Content	20% - 30%
Ash Content	0.5% Max.
Specific Gravity	1.30+0.05

Characteristics of Tape

Service Temperature°C	Maximum 60°C
Tape Thicknessmm	2.0 + 0.1mm
Weight Average Kg/Sqm. (min)	3 Kg.
Breaking strength in Longitudinal Direction	700 N/m
Insoluble Content % by wt. in Petrol	93%-95%

Technical Characteristics

Characteristics of Fabric

Weight (min) g/sqm (min)	45
Thickness (Min) mm	0.3
Breaking strength in Longitudinal Direction	2.3 kN/m
Temp. resistance at 288°C	No Shrinking

Characteristics of Primer

Drying Time	15-30 Minute
Flash Point	23°C (min)
Volatilemater (105-110°C)	75% max
Viscosity (4mmnozzle,23°C)	35-60 Secs.
Coverage	6-8 sqm / l / coat
DFT	25 microns (min)

Range and Supply

GRADES	BASIC	SPECIAL	SUPER
WEIGHT	3.0 kg/sqm	4.0 kg/sqm	5.0 kg/sqm
THICKNESS	2.0 mm	3.0 mm	4.0 mm
LENGTH	10 M	10 M	10M
WIDTH	1.0 M	1.0 M	1.0 M

Disclaimer

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

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