

MAKPOLYKOTE 4mm

Coal Tar pitch or Bitumen based
Anti-corrosive wrapping Tapes



Description

MAKPOLYKOTE 4mm 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 45 gsm/sqm of Fibre Glass Tissue 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 4mm thick tape. The material conforms to IS:15337-2003 and AWWA: C203-2015.

APPLICATION PROCESS

- ◆ Wire brush the Pipe to remove all foreign debris.
- ◆ Apply a coat of Mak Primer @ 200 gms/sqm and allow it to dry till it becomes tacky.
- ◆ MAKPOLYKOTE 2mm is then wound around the pipe in spiral or circumference fashion and bonded to pipe by thermofusion 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	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 Specifications

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)

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