

PHOENIX Inner Wrap

Product Data Sheet

Rev. 3 - August 2006



Product Description

PHOENIX Inner Wrap is used for anti-corrosion wrapping as inner wrap layer or as reinforcement for production of outer wrap as protection of steel pipes impregnated with asphalts or enamels, mainly used for oil, gas and water transportation.

A high quality glass mat reinforced longitudinally every 8 or 16 mm with strong glass yarns and produced with a special binder to facilitate the “bleed through” of asphalt or enamels in the pipe coating operation.

Delivery

The PHOENIX Inner Wrap will be delivered in rolls wrapped in plastic.

Standards

The inner wrap is tested and approved according to AWWA C 203-97.

Technical Characteristics

- Colour: according to the type of binder
- Binder: special type to facilitate the bleed through of coating
- Standard width: 10-46-100 cm* (*special widths on request up to a maximum of 120 cm)

- Nominal weight (g/m²): 50 - 90
- Reinforcement yarns: longitudinal every 8 - 16 mm (R type)
- Base fibre: C glass

Properties

- High mechanical strength during production of finished product
- Absolute rot proof and resistant to all weather conditions
- Good dimensional stability
- Chemically inert and non-toxic
- Allow a uniform impregnation and are not subject to cracking, breaking and splitting
- Excellent resistance to UV light

 corrosion protection that stays.

Technical Data

Characteristics	Descriptions	Units	B 50 R8 Y	B 60 R8 Y	M 90 R16
Nominal weight (1)		g/m ²	50	60	90
Binder (1)	Type Max T° max.	% °C	P.F.m ≤ 16 200	P.F.m ≤ 16 200	P.F.m ≤ 30 200
Glass	Fibre diameter (3) Hydrolytic Class	μ Class	13 3	13 3	13 3
Tensile strength (1)	Nominal value	L N/50 mm T N/50 mm	320 100	320 100	300 240
	Minimum	L N/50 mm T N/50 mm	225 50	290 80	260 200
Elongation at break	Nominal value	L %	1.2 - 1.4	1.2 - 1.4	1.2 - 1.4
		T %	1.2 - 1.4	1.2 - 1.4	1.2 - 1.4
Standard dimensions (2)	Width	cm	10 - 46	10 46	100
	Length	m	386 - 732	366 - 732	1500
	Core Ø	mm	76.2	76.2	76.2
	Outer Ø	cm	19 38	20 - 40	120
Standard conformity			AWWA	AWWA	AWWA
Test methods			C 203-97	C 203-97	C 203-97

- 1) Provided on certificate of analysis upon request
- 2) Guaranteed characteristics
- 3) Other dimensions on request
- 4) Nominal value

Tolerances:

Width: ±3 mm

Weight: ±5%