

PHOENIX GT Outer Wrap

Product Data Sheet

Rev. 11 - April 2023



Product Description

PHOENIX INTERNATIONAL A/S manufactures a number of different types of high-quality outer wrap for reinforcing the mechanical properties of PHOENIX Bitumen Enamel for pipe coating.

PHOENIX GT Outer Wrap (GT-550-B and GT-650-B) is bitumen-impregnated non-woven glass fibre reinforced fabric. PHOENIX GT Outer Wrap is impregnated with bitumen to ensure optimum protection of the fibres and to facilitate “bleed-through” of the enamel.

The product is manufactured to an exact degree of porosity which promotes effective adhesion between outer wrap and enamel.

PHOENIX GT-550-B Outer Wrap comprises a uniform fabric of chemically resistant borosilicate glass, reinforced longitudinally with continuous filament glass yarns at 8-10 mm centres. This type of outer wrap is suitable for most soil conditions.

PHOENIX Outer Wrap GT-650-B is suitable for heavier stress conditions where standard outerwrap cannot be used.

Delivery

PHOENIX GT Outer Wrap is supplied in the width and length mentioned on page 2. After production the product is placed on pallets and packed in shrink foil, thus allowing easy transport of the material.

Application

PHOENIX GT Outer Wrap applied over the still hot and liquid bitumen enamel which is flood-coated at the weir.

Application takes place so that folds and air pockets are avoided and adhesion to the underlying enamel is ensured.

PHOENIX GT Outer Wrap is also used as repair material for small damaged areas.

Storage

PHOENIX GT Outer Wrap is to be stored upright on a dry surface. The product should not be exposed to direct sunlight and max. storage height is 2.50 metres (2 pallets). Provided that the product is stored under these conditions it has a shelf life of 2 years.

Standards

PHOENIX INTERNATIONAL A/S, which manufactures, tests and approves the outer wrap, is certified in accordance with the requirements of ISO 9001. Phoenix GT Outer Wrap fulfills the requirements in EN10300:2005 – Type A and B respectively.

Quality control is conducted very carefully in the PHOENIX INTERNATIONAL A/S laboratories. Each batch of outer wrap is tested and certified. A quality certificate is provided with each delivery.

Bituminous Coatings

Bituminous products not only provide a highly protective coating but are also environmentally safe and provide excellent in-service performance. Bituminous coatings from PHOENIX INTERNATIONAL A/S are suitable for pipelines operating up to 70°C.

Other PHOENIX Outer Wraps

PHOENIX outer wraps are designed to meet the customer's specific requirements and their performance can be adjusted on request.

Please contact PHOENIX INTERNATIONAL A/S for product data sheets on other outer wraps.

 corrosion protection that stays.

GT-550-B - Product Dimensions

Dimension inch x feet	Dimension m x m	Area/roll (m ²)
6 x 1000	0.153 x 305	47
9 x 1000	0.229 x 305	70
12 x 1000	0.305 x 305	93

GT-650-B - Product Dimensions

Dimension inch x feet	Dimension m x m	Area/roll (m ²)
6 x 1000	0.153 x 305	47
9 x 1000	0.229 x 305	70
12 x 1000	0.305 x 305	93

In addition to the above standard product dimensions, customised dimensions are available upon request.

Technical Data - GT-550-B

Test	Unit	Method	Requirement
Glass tissue base weight	g/m ²	EN 10300:2005	min. 50
Finished product weight (nominal)	g/m ²	EN 10300:2005	min. 500
Thickness	mm	EN 10300:2005	min. 0.6
Water resistance		EN 10300:2005	Hydrolytic class 3 or better
Tensile strength (nominal) - Longitudinal - Transverse	N/50 mm	EN 10300:2005	min. 350 min. 150
Product Code	100-305, 100-310		

Test	Unit	Method	Requirement
Glass tissue base weight	g/m ²	EN 10300:2005	min. 80
Finished product weight (nominal)	g/m ²	EN 10300:2005	580-730
Thickness	mm	EN 10300:2005	min. 0.76
Water resistance		EN 10300:2005	Hydrolytic class 3 or better
Tensile strength (nominal) - Longitudinal - Transverse	N/50 mm	EN 10300:2005	min. 400 min. 230
Product Code	100-315, 100-320		