

# PHOENIX Heavy Duty Outer Wrap

## Product Data Sheet



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### 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 Heavy Duty Outer Wrap is a bitumen-impregnated woven material produced by the regular weaving of continuous glass fibre threads lengthwise and double stapled glass fibres crosswise.

PHOENIX outer wraps are impregnated with bitumen to ensure optimum protection of the fibres and to facilitate “bleed-through” of the enamel.

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

PHOENIX Heavy Duty Outerwrap is very flexible and mainly used on offshore pipelines to obviate sheer stress arising from the concrete weight coating.

### Delivery

PHOENIX Heavy Duty Outerwrap is supplied in the widths and lengths 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 Heavy Duty Outer Wrap is applied over the still hot and liquid bitumen enamel which is flood-coated at the weir. Application should take place in such a way that folds and air pockets are avoided and adhesion to the underlying enamel is ensured.

PHOENIX Heavy Duty Outer Wrap is also used as a repair material for small damaged areas.

### Storage

PHOENIX outer wraps are 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 Heavy Duty Outer Wrap meets all international specifications for bitumen-based pipeline coatings, and fulfills requirements in EN10300:2005 – Type C.

### Quality Control

PHOENIX INTERNATIONAL A/S, which manufactures, tests and approves the outerwrap, is certified in accordance with the requirements of ISO 9001.

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.

 corrosion protection that stays.

### 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 PHOENIX Outer Wrap GT-550-B & GT-650-B.

### Standard Product Dimensions

Dimension inch x feet	Dimension m x m	Area/roll (m <sup>2</sup> )
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 sizes other dimensions are available upon request.

### Technical Data

Test	Unit	Method	Requirement	Typical production value (depending on customer spec.)
Glass tissue base weight	g/m <sup>2</sup>	EN 10300:2005	≥ 170	175
Finished product weight (nominal)	g/m <sup>2</sup>	EN 10300:2005	≥ 340	355
Thickness	mm	EN 10300:2005	≥ 0.80	0.90
Water resistance		EN 10300:2005	Hydrolytic class 3 or better	3 or better
Tensile strength (nominal) - Longitudinal - Transverse	N/50 mm	EN 10300:2005	> 800 > 800	1200 1500
Product Code	100-325, 100-330			