

Bituseal® Outer Wrap

Product Data Sheet

Rev. 29 - Januar 2020



Product Description

Bituseal® Outer Wrap is woven glass fibre fabric impregnated with a polymermodified bitumen. It is impregnated in order to ensure optimum protection of the fibres. The impregnation is performed so that “bleedthrough” is controlled during the pipe coating process.

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

This type of outerwrap is suitable for all soil conditions.

Delivery

Bituseal® Outer Wrap is supplied in standard widths and lengths. After production the product is placed on pallets and packed in shrink foil, thus allowing easy transport of the material.

Application

Bituseal® Enamel is applied to steel pipes, previously primed with Bituseal® Primer, at 190-230°C using computer controlled extrusion technology, which ensures optimum coating quality. Bituseal® Outer Wrap is applied over the still hot and liquid Bituseal® Enamel.

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

Storage

Bituseal® Outer Wrap is stored upright on a dry surface. The product should not be exposed to direct sunlight and pallets can not be stacked. Provided that the product is stored under these conditions it has a shelf life of 2 years.

Standards

Bituseal® Outer Wrap meets or exceeds EN 10300:2005 and all international specifications for bitumenbased pipeline coating and meets the requirements for outerwraps in the Shell Specification DEP 31-30-40-33-Gen.

Quality Control

All raw materials for Bituseal® Outer Wrap is tested and approved in the laboratories of PHOENIX INTERNATIONAL A/S.

The quality of the finished outerwrap is controlled to EN 10300:2005 – Type C and a test certificate is provided for each batch produced.

Bituseal® Coatings

Bituseal® Outer Wrap is suitable for pipelines operating at temperatures in the range -20°C to 65°C and provide a highly protective coating and excellent inservice performance.

Bituseal® Outer Wrap is environmentally safe and contain no harmful components.

 corrosion protection that stays.

Product Dimensions

Dimension m x m	Area/roll (m ²)
0.230 x 305	70.15
0.317 x 305	96.69
0.490 x 305	149.45

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

Technical Data - Heavy Duty Outerwrap

Test	Unit	Method	Min. requirement	Typical production value
Reinforcement base weight	g/m ²	EN10300:2005 – Table 7	170	175
Finished product weight (nominal)	g/m ²	EN10300:2005 – Table 7	250	500
Thickness	mm	EN10300:2005 – Table 7	0.76	0.75
Tensile Strength (nominal) - Longitudinal - Transverse	N/50 mm	EN10300:2005 – Table 7	800 800	1015 915
Product Code	100-360, 100-370			