

PHOENIX ConCoat

Product Data Sheet

Rev. 2 - November 2005



Product Description

PHOENIX ConCoat is a cold spay-applied, reaction curing polyurethane product consisting of 2 component A and B mixed in a volume 1:3.

PHOENIX ConCoat is specially formulated for protection of concrete against chemical aggressive UV light, moist and mechanical impacts.

The product is a rapid curing product with a Pot life between 15 seconds up to 4 minutes depending on customers requirement.

Delivery

The product is delivered in custom made packaging.

Application

Normally PHOENIX ConCoat is spray applied in a specially designed mixing and spaying equipment.

The covering rate is fast and application is easy to control, in order to obtain uniform coating and gain the required thickness.

Maximum coating thickness on vertical surface is 1.2 millimetre.

Equipment

There are various pumps and spraying equipment for the product application and the choice of equipment depends on the job in question.

Equipment can be either leased or bought and operator training is part of the service provided by PHOENIX INTERNATIONAL A/S.

Storage

The containers must be stored out of direct sunlight and maximum temperature of 50°C. The shelf life is one year from date of delivery.

Standard

The product has been tested and approved in accordance with EN 10290.

Quality control

PHOENIX INTERNATIONAL A/S tests and approves the PHOENIX ConCoat in accordance with international standards.

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

 corrosion protection that stays.

Technical Data

Test	Unit	Prochure	Value
Colour			Black
Physical state of delivered product			Liquid
Methods of application			Airless spraying
Solids by volume	g/cm ³		1.20
Theoretical coverage per m ² 0.5 millimetre thickness	kg/m ²		0.6
Size of container			customised
Shelf life	Year		1
Storage conditions			Dry below 50°C
Pot-life	Sec.		15
Surface preparations			Dry
Recommended repair materials			PHOENIX 2K ConCoat
Recommended dry film thickness	mm		0.5
Mixing ratio			1:3
Shore D Hardness (23+/-2°C)		shore D	54
Time at 23°C to achieve Shore D hardness at curing	min.		Need to do further testing on concrete
Viscosity			Component A@23°C: 40 cP Component B@50°C: 1500 cP
Density	g/cm ³		1.20
Impact resistance	Nm	EN 10290	>7
Dolly pull of test, adhesion at 23°C	Mpa		>5
Indentation resistance	mm	EN 10290	<0.2 mm
Product Code	110-110		