

# Acolan<sup>®</sup> ENVIROCOAT EP



Article No. 9970, 9971

Highly chemically resistant, solvent-free, 2-component coating based on modified epoxy resin.

## Product:

Acolan Envirocoat EP is a highly chemically resistant two-component material based on modified epoxy resins. These components have to be mixed homogeneously before usage. Acolan Envirocoat EP is solvent-free, free of alkylphenols, free of benzyl alcohol or other non reactive ingredients.

## Range of use:

Acolan Envirocoat EP can be used on steel, aluminium, concrete, screed and anhydrite. Because the cured coating contains no unreacted constituents it is exceptionally suitable for lining tanks which contain water, such as drinking water, aquariums and holding tanks. It is not recommended for swimming pools treated with chlorine based agents.

## Characteristic data of the product:

### Mixing ratio:

85 : 15 Base: Hardener by weight

### Pot-life 20 °C:

25 - 45 minutes, depending on temperature of the materials and surrounding temperature.

### Properties:

Density resin:	2.01 kg/dm <sup>3</sup>
Density hardener:	1.05 kg/dm <sup>3</sup>
Density mixed:	1.75 kg/dm <sup>3</sup>
Tensile strength DIN 53455:	16 – 21 N/mm <sup>2</sup>
Compressive strength:	65 - 75 N/mm <sup>2</sup>
E-Modulus DIN 53457-B:	4000 – 5000 N/mm <sup>2</sup>
Tensile strength in flexure:	35 – 40 N/mm <sup>2</sup>
Adhesion strength:	good on many clean, dry, fat free and pre-treated surfaces.

### Shore D Hardness

DIN 53505: 70 – 80

Solid content: 100 % Acolan Envirocoat EP is completely solvent free.

Shrinkage : none

### Layer thickness:

The layer thickness has to be 300 µ – 3 mm, depending on the surface conditions and the customers demand.

### Colour:

Most RAL colours available to order, semi gloss

## Substrates:

Concrete and other cementitious surfaces have to be free of laitance and have to be minimum 28 days old. Depending on the surface structure and the porosity of the surface the pre-treatment is being chosen. The appropriate Remmers epoxy primer can be used as primer before the Acolan Envirocoat EP is applied.

## Working directions:

Acolan Envirocoat EP is a two component epoxy self levelling floor covering. Acolan Envirocoat EP can also be roll applied. This solvent free self levelling epoxy coating has excellent mechanical properties such as a high surface hardness and shows little yellowing.

Acolan Envirocoat EP can be used on industrial surfaces such as ware houses and production sites as well as for underwater usages, not for swimming pools.

Acolan Envirocoat EP is hydrolysis and chemical resistant against acids, hydroxides and solvents.

## Curing time:

The cure through depends on surface, surrounding and material temperatures. The Acolan Envirocoat EP has to cure between 10 - 30°C and a RH of maximum 85 %, the surface temperature has to be minimum 3°C above the dew point.

## Tools and cleaning:

The tools can be cleaned, immediately after usage, while fresh with V 101 thinner (Art.No. 0978).

## Packaging, application rate and storing:

Packaging: 10 kg and 20 kg

### Storing conditions:

Acolan Envirocoat EP has to be stored dry and at temperatures between 10 - 25°C.

## Safety, ecology, disposal:

Further information concerning safety during transport, storage and handling as well as for disposal is found in the latest Safety Data Sheet.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques. Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet.

Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid.

With the publication of this Technical Information Sheet all previous editions are no longer valid.

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