



## Comparison

# NewPro Nano Protective Coating RK/LC and Epoxy Resin Coating

### Epoxy Resin Coating

Mixing of hardener and ground mass

Only 120 Minutes processing time,  
at 20°C and 60% relative air humidity

Waiting time between the 3 processing steps  
at least 12 hours, max. 2 days

### Processing temperature

min. 10 – max. 25°C

Fully resilient after 7 days

**Curing temperature:** at 20°C

Protect from humidity after application:  
24 hours

### Pre-Cleaning & pre-treatment:

Blow-holes and pores have to be previously  
closed

Subsequent repairs/improvements  
only with restriction, as improvement to older  
material provides no hold for new material

**Application:** moderately difficult/not for laymen

Cleaning of equipment only with special thinners

### LC Nano Protective Coating

no mixing – ready-for-use

unlimited processing time, cannot be used  
by frost and rain

waiting time between the 2 processing steps  
after air drying none to several weeks

min. 5°C – max. 40°C

fully resilient after 24 hours

as processing temperature

max. 1 hour

no preliminary treatment necessary

repairs/ new coatings possible at any time,  
holes can be subsequently closed

very simple and can be carried out by anyone

very easy with water



### Consumption:

At least three coats each of 0.4kg/m <sup>2</sup>	at least two coats each of 100-200ml/m <sup>2</sup>
= 1.2kg/m <sup>2</sup>	= 5-10m <sup>2</sup> /1 Litre

### Costs:

Approx. 18.00€ /m <sup>2</sup> - 25.00€/m <sup>2</sup> or higher	approx. +/- 10€ /m <sup>2</sup> ready-to-use coating
--	--

### Time necessary in days:

1 worker	finished with 2 coatings
For larger surfaces several days	up to 1000m <sup>2</sup> und more
Max. 1 coating per day (at least 3 days)	Very dependent on weather conditions

### Shelf life:

approx. 5 years	much longer, because damage repair can always be carried out after air drying. No basic cleaning necessary. (e.g. sandblasting)
-----------------	---

### Summary:

**NewPro Nano Protective Coating RK/LC** is superior in nearly all areas in comparison to Epoxy Resin Coating.

It can be applied simpler, quicker and allows a health and environmentally friendlier processing.

Application can be carried out under poor weather conditions (but not in rain or frost conditions) and under +5°C / above 40°C.

The area output is much higher. The durability is at least equal. Repairs can be carried out quickly and uncomplicated.

Epoxy Resin Coatings have to be completely removed after wear and tear before a new coating can be applied. Very high costs are then involved (sandblasting).

**NewPro Nano Protective Coating RK/LC** can be applied on top of an Epoxy Resin Coating (sandblasting is then unnecessary).

The downtimes for the plants (Biogas) are considerably shorter. The work can be carried out with interruptions of days or weeks.

Completely environmentally friendly as the product is manufactured only from natural materials.

Penetrates very deeply into the surface layer and penetrates even into already present mineral damages caused by aggressive contents of the stored or to be processed material.

**NewPro Nano Protective Coating RK/LC** is very cost-effective, only approx. 1 third to max. half of the costs of an Epoxy Resin Coating.

The facts are: better – quicker – cost-effectiver – healthier – environmentally friendlier.