

Surface Coating System Provider in the Agricultural Sector

Silo Protection Systems using Epoxy Coating

I Combo system (AC 110 and AC 130)

II 2 in 1 System (AC 122)

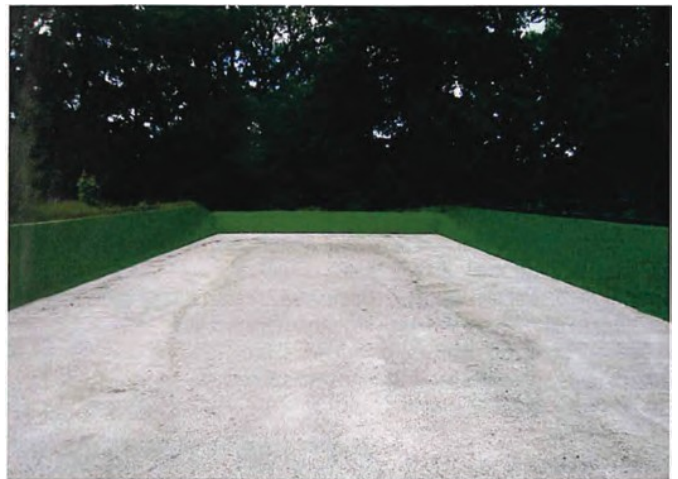
Mobile silos, concrete floor slabs and prefabricated silo wall elements are not only exposed to the weather, but also to the special acid loads caused by silage. The acids produced in the silage process may preserve and protect the silage from spoiling, but they also attack the concrete of the silo. In addition, there is mechanical stress caused by the removal of dirt deposits (tractor tyres, removal equipment). This quickly leads to damage to the base plates and silo walls (concrete milling, wear and roughness). The damage in turn influences the silage quality and hygiene in the silo. To protect the concrete or to stop damage, we offer two different epoxy coating systems.

AGROCOLOR COMBO SYSTEM (AC 110 and AC 130)

The epoxy combo system (AC 110 and AC 130) is applied in two coats and offers a very high chemical and mechanical load resistance of the concrete surface for new or already attacked base plates and silo walls.

AGROCOLOR 2 in 1 SYSTEM (AC 122)

The epoxy 2 in 1 system (AC 122) is applied in one coat and offers a very high chemical and mechanical resistance of the concrete surface for new or damaged silo walls.



Substrate Preparation

Carefully clean the substrate with high-pressure water jets. Spray the Special Cleaner AC 600 with the backpack sprayer onto the still damp surface (approx. 100 to 150 g/m²). The AC 600 Special Cleaner automatically removes release agents resulting from acid loads, grease and dirt deposits. After approx. 30 minutes, rinse off everything that has been dissolved by the special cleaner with high-pressure water jets. Now let the surface dry (max. 4% residual moisture).



Activation of the Epoxy Coating

The bucket contains the two individual components A and B of the epoxy coating to be carefully mixed together. Push the double-bottomed lid completely through for several times so that all the contents flow into the bucket. Remove the lid and mix the two components thoroughly with the stirring paddle at medium speed for approx. 3 minutes. Then decant the activated coating into a clean plastic bucket. Decant epoxy containers of 10 kg or more into two empty plastic buckets and process in pairs.



AGROCOLOR COMBO SYSTEM (AC 110 und AC 130) Processing

1. Priming with AC 110



Using a high-pile roller (approx. 18 mm), roll the AC 110 epoxy primer onto the dry surface of the slatted floors and silo walls (consumption: min. 300 g/m² depending on the substrate, working time: approx. 20 minutes). The AC 110 primer does not only settle on the surface, but penetrates and anchors itself. As a rule, after approx. 24 hours, you can continue with the top coat AC 130R (depending on temperature and humidity).

2. Top-sealing with AC 130



Using the high-pile roller (approx. 18 mm), roll the epoxy top coat AC 130R onto the dry primer AC 110 (consumption: min. 300 g/m² depending on the substrate, working time: approx. 20 minutes). The top coat AC 130R is designed for a high slip, chemical and mechanical resistance. Wait approx. 48 hours until using the surface (depending on temperature and humidity).

AGROCOLOR 2 in 1 System (AC 122) Processing



Using the high-pile roller (approx. 18 mm), roll the epoxy 2 in 1 top coat AC 122 onto the dry silo wall (consumption: min. 400 g/m² depending on the substrate, working time: approx. 20 minutes). The top coat AC 122 is designed for a high slip, chemical and mechanical resistance. Wait approx. 48 hours until using the surface (depending on temperature and humidity).