

Application Profile

Project: Floor coating for natural plant (A).
Project supervisor: University of Salzburg (A)
Applicator(s): Fastsetpowerunits, Landskron (A)

Polyurea System applied: PV320, PolyVers Int.
Substrate/Area: concrete, 800m²
Date: 20. - 23.06.2006

Description:

The University of Salzburg (A) is researching in growing orchids, to produce natural based medicaments (drugs).

These orchids are grown in glashouses, which are based nearly the University building.

The floor of the glas-houses is made out of concrete, which has had to protected against the daily watering-procedure (the plants have to be irrigated daily) and the penetration of water in the concrete.



The first of the 2 glashouses was coated one year before well, so the University choiced again a Polyurea-protections for the second one.



The concrete was prepared with concrete-primer mixed with quartz-sand and grindet lightly the day after. The glashaus was than protected with strong PVC-foils, also the drains.

As spray-equipment there was used a Graco H-XP2, as spraygun a Fusion AP, mixing-chamber AR 4242.



The sprayworks itself were "as usual", no problems or unexpected situations. The liner was brought on in a thickness of around 2 mm, there were some small pinholes on vertical areas, which could be closed by spraying itself.

The floor-area was finished with an overspray, to bring on anti-skid attributes and an optical nice surface.

No pinholes or blisters over the area, the coating is still working perfect.

