

Application Profile



Project: Joint-filling and fixing glas-plates in a metal construction, school-building, Vienna (A).
Project supervisor: Fastsetpowerunits, Landskron (A)
Applicator(s): GPP Glas GmbH (A)
Schoerhuber-Huemer OEG (A)
Polyurea System applied: PV75, PolyVers Int.
Substrate/Area: Glas-plates, metal fixture
Date: 13.05.2008

Description:

The company GPP Glas is specialised in doing glas-works in a very special field, starting from design glas-LED lightning combinations up to glas protecting solutions in staircases.

To fix the very heavy glas-plates (each element in weight of about 220 lbs, double security glas) the company used years before a water-based joint-filling system, which has to be worked out in a ration of 1:3.

Problems in the past were, that not only the used unit got many times sticky or didn't mix well, also the system itself was very sensible to handle (tack-free time of about 10 minutes, reactions with water resulted in foaming).

The logistics needed, to fix the glas-elements pointly first at the edges, to fix them exactly in balance and afterwards fill out the joints completely. That means, that a lot of „stand-stills“ have had to be made, thinking of the system in the tube of the static-mixer, which will react inside and close the pipe.

These works have had to be done always over several constructural levels over the whole area of the staircase in public school-buildings, government-buildings, etc.

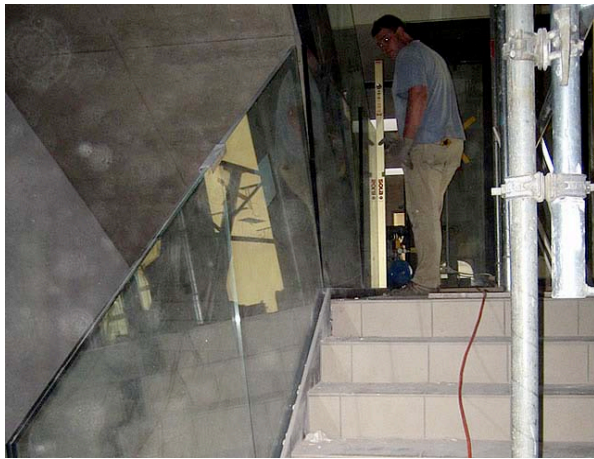
The first test with the PV75 from PolyVers Int. was done on the 7th of may, 2008. At this test we used a Gama G-250H (in the absence of any other appropriate unit) in combination with a „no name“ low pressure gun with static mixer. After practical application, the client got all informations about his possibilities, to work out the system in an easier way (moveable units, double cardridge system with pneumatic gun).

At the end of this testing day the client made some tests, to check the system itself, the retention forces and re-calculated the application time and the progress of this day.

Based on these workouts and the conclution, that he can succeed in any ways with this system, the client ordered in the same minute 120 lbs of the PV75 as double-cartridge system including the pneumatic gun and the unit „Easy Spray“ from Gama. By the way the client pre-paid also immediately.

With the perfect support of PolyVers Int. the double-cardridge system arrived only 4 days after ordering on place in Vienna via air-freight, mastering all the ordering-administration and custom procedures.

So the client was able to work out this project in time (public school building), without any problems. Finishing works were done on the 13th of may, 2008.



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