

Case study spice mill

Reconstruction with Plastifloor® at spice mill
Ossege in Hilter

Spice mill Ossege was founded in 2004 and produces individual spice mixtures for various grocery companies all over Germany: „Your today’s request will already be a lead product with recognition value tomorrow as we add the proper texture, colour and over all the distinctive taste to your commodities.“ With this is the slogan, spice mill canvasses and persuades customers. There are no standard mixtures in their shelves – each customer gets an individual solution. Due to the expertise and experience of company Ossege’s employees, this happens immediately, according to the principle: **Today a problem – tomorrow the solution!**

That is why Mr Ossege imagined the same way of resolving the problems with the old floors in the spice mill near Hilter when he chose the **Plastifloor®** system solution from Plasti-Chemie International GmbH. The price as well as the fast installation time of the Plastifloor® acrylic resin floor, at only one weekend from Friday to Sunday, have been decisive. Additionally there was the task of producing a jointless floor that is easy to clean for safeguarding the required cleanness in a spice mill.

The choice fell on the **Plastifloor®** flooring system with elastic membrane and interspersed coating 410, R 11 corresponding to the test certificate of material testing institute Hellberg GmbH no: 124591-S/08, which is being produced by Plasti-Chemie International GmbH.

The following pictures show the situation on-site: The floors were covered with an epoxy resin paint that already peeled off. In addition, the subsurface showed a multitude of cracks and warping that needed to be evened.



The old EP paint is spalling



The existent floor is uneven

First of all the defective EP paint needed to be shot-blast, the existing joints, cracks and junctions were cut free. Finally the subsurface was cleaned with a vacuum cleaner before the new Plastifloor® floor could be installed.

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Shot-blasting



Joints are cramped

The prepared subsurface has now an adhesive tensile strength of 1.5 N/mm². This value is required for ensuring an adhesion of the coating system onto the subsurface. Afterwards the floor was primed with Plastifloor® 112 0.4 kg/m². Partially the screed needed to be revised with a KH-mortar slope wedge made of Plastifloor® 510 and mortar mix B2 in order to produce an even surface corresponding to DIN 18202. For closing cracks in the subsurface, the newly developed plasto-elastic filler PET was used for this application. This filler combines the plastic properties of PET granulate with the elastic properties of Plastifloor® membrane resin 332.



Priming with Plastifloor® 112



Cracks are being cast with Plastifloor® 332 + PET

Then followed the installation of an elastic membrane Plastifloor® 332/z, approx. 3.0 kg/m². This flexible, shock absorbing interlayer allows a jointless and permanently crack-free installation of the new resin coating made of Plastifloor® 410. For achieving the required slip-resistance class R 11, the wet coating is being broadcast with colour quartz sand - size 0.4 – 0.8 mm – before applying the head sealing Plastifloor® 526, approx. 0.6 kg/m².

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Installing the membrane



Broadcasting the top coat

The advantage of the Plastifloor® floor coating is obvious:

Due to the short curing times between the single layers, reconstruction works can be effected by a specialized company within a very short time slot. Thus the customer saves precious time and expenses that would result from a loss of production. For example a new tile floor cannot be strained immediately after installation and the problems with joints that are quickly washed out by cleaning will emerge again after a short period of time. Epoxy resins are thermoset materials – they do not withstand the thermal strain by hot and cold water exposure in a grocery plant. Thus a Plastifloor® acrylic resin floor is the proper decision for the client.



The finished floor on Sunday evening.



Plastifloor® is a thermoplastic material – elongations of materials on changing temperatures are being coped more easily. Fallen parts are equally easier absorbed by this floor as it is being constructed vibration-absorbing in several layers. Plastifloor® is skidproof and easy to clean. The coating is tested according to LMBG and approved. Thus the floor can be installed in a food processing company without hesitation.

The floor reconstruction has been effected by an authorized flooring contractor from Friday 12.00 o'clock until Sunday 17.00 o'clock:

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The result is convincing:



Production could start again on Monday.

Plastifloor® is the ideal floor coating for new building and reconstruction works in the grocery industry. It persuades with its durability, fast installation time and the cost-benefit ratio. Plastifloor® is approved for grocery plants and can be installed according to the safety organization's directions in slip-resistance classes R 9 to R 13.

We dispose of 20 years of global experience and references.

Ask for experienced flooring companies in your area. You can choose from a variety of colours and slip-resistance classes. Tel.: 03741/5583-0

You find videos on our website or on www.youtube.com

Of course we also send you informative literature by mail.

Data concerning our products and devices as well as concerning our data and procedures are based on an extensive research work and an application technology experience. We convey these results, with which we do not take over liability going beyond the respective single contract, in word and writing after best knowledge, reserve ourselves we however technical changes in the course of the product development. That does not relieve the user however to examine our data and recommendations before their use responsible for the own use. That applies also regarding the keeping of patent rights third as well as for applications and procedures, which are not expressly in writing indicated by us. © Plasti-Chemie International GmbH, 2011