

Case study meat packaging

Reconstruction with Plastifloor® Meilinger's
Meat and animal trading

Meilinger's meat and animal trading produces packed meat products and sell animals parts to food distributors and butcher's all over Germany. Due to the expertise and experience of Meilinger's employees, this happens immediately, according to the principle: "we deliver the freshest meat every day to our clients!".

That is why Mr. Meilinger imagined the same way of solving the problems with the old floors in his meat production facility near the "Audi sports park" in Ingolstadt, when he chose the **Plastifloor®** system solution from Plasti-Chemie International GmbH distributed by Key Resin Company, Batavia (OH). The price as well as the short installation time for the Plastifloor® acrylic resin floor, at only one weekend from Friday till Sunday, have been decisive. Additionally there was the advantage of installing a jointless floor that is easy to clean for safeguarding the required cleanness in a food producing factory.

Finally he chose the **Plastifloor®** flooring system with Plastifloor® 9332 membrane and broadcasted coating Plastifloor® 9418, R 13 corresponding to the test certificate of material testing institute Hellberg GmbH no: **12 4435 - S / 08**, which is being produced by Plasti-Chemie International GmbH and only installed by approved flooring contractors in the USA.

The following pictures show the situation on-site: The floors were covered with a cement based coating that already peeled off. In addition, the surface showed a multitude of cracks and joints that needed to be filled and levelled out.



The old floor with cracks



old concrete was not easy to clean

First of all the substrate needed to be scarified and shot-blasted, the existing joints, cracks and junctions were cut out. Finally the surface was cleaned with a vacuum cleaner before the new Plastifloor® coating could be installed.

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Shot-blasting



Joints are cramped

The prepared substrate has now an adhesive tensile strength of 1.5 N/mm². This value is required to ensure an adhesion of the coating system to the substrate. Later the floor was primed with Plastifloor® 9112 approx. 100 ft²/gal. Partially the screed needed to be revised with a mortar slope made of Plastifloor® 9510 and mortar mix BMT in order to receive an even surface. To close cracks in the substrate, the newly developed plasto-elastic filler s/IPET was used for this application. This filler combines the plastic properties of PET granulate with the elastic properties of Plastifloor® membrane resin 9332.



Priming with Plastifloor® 9112



Joints where filled with Plastifloor® 9332 + s/IPET (1:1)



Then followed the installation of an elastic membrane made with Plastifloor® 9332, approx. 5-10 sft²/gal. (1:1 with s/l filler) This flexible, shock absorbing membrane allow a seamless and permanently crack-free installation of the new floor coating made of Plastifloor® 9418. To achieve the required slip-resistance, the wet coating is being broadcasted with colour quartz sand - size 10 – 20 mesh – before applying the top sealing Plastifloor® 9526, approx. 100 ft²/gal.

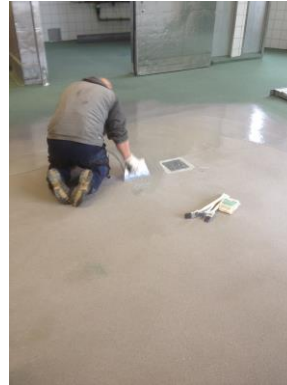
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Installing the membrane



installing the base coat

The advantage of the Plastifloor® floor coating is obvious:

Due to the short curing times between the single layers, reconstruction works can be done 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 meat plant. Thus a Plastifloor® acrylic resin floor is the proper decision for the client in all kind of food plants.



Broadcasting



sealing length



and crosswise

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.

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The coating is tested according to Germany's LMBG and approved. Thus the floor can be installed in a food processing company without hesitation. The floor coating had been done by an authorized flooring contractor from Friday 8.00 a.m. till Sunday 12.00 noon:

The result is convincing:



Production could start again on Monday morning.

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

We have over 20 years of global experience and references. Call us for an offer.

Ask for experienced flooring companies in your area. You can choose from a variety of colours and slip-resistance classes.

You find videos on our website or on www.youtube.com just search for Plastifloor®.

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, 2014