HABERMANN MATERIALS

HAWIPAIR®

Professional "do-it-yourself" coating

repairs in concrete production facillities

Fig. 1: Macerated rubber lining as result of release oil agent

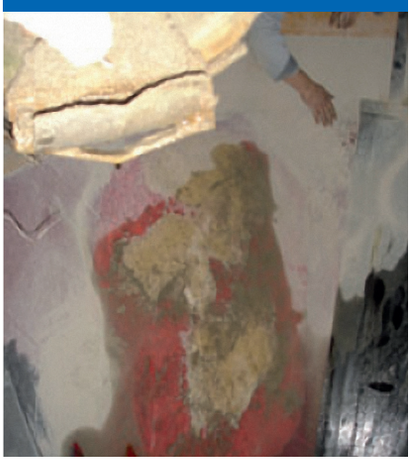

Fig. 2: Repair of a partially worn-out polyurethane coating (red) with Hawipair (white) in a discharge funnel at a ready-mix concrete production facility

Elastic coatings are often used in production facilities where concrete is processed. Different demands are placed on these linings that are, as a rule, elastic. Coating functionality can usually be defined by service life performance – regularly subjected to massive impact wear – and its ease of cleaning or non-stick properties.

Adequate resistance to release oils is recommended for living up to these demands. Release oils are employed as separating agents to facilitate the difficulty of cleaning rubber linings from concrete residue. This is often precisely the weak point with rubber linings.

In figure 1, the effects of release oil separating agents are visible. The rubber lining has become macerated in a seam or joint area, detached from the subsurface and undermined by concrete.

In this way, a process can begin that leads more or less rapidly to a new coating. The latter is costly and generally occasions downtimes. Dismantling and reassembling plant components calls for the use of experts. All this trouble can be reduced to a minimum with an on-site system that can be applied with a spatula.

Hawipair® – resistant to wear and spreadable with a spatula

Hawipair® filler compound features the latest PUR technology developed for a wide range of substances from rubber right up to PUR. Hawipair® is a wear-resitant, elastic polyurethane-based material that can be applied with a spatula and which was specifically designed for reparing worn-out coatings made from elastic substances. Outstanding adhesive values can be attained depending on the composition of the substructure. Hawipair® can also ideally be utilised as an adhesive due to its great affinity to many other materials.
It is simple to process and can generally be employed in situ without any problem.

In action, the 1:1 mixing ratio is an impressive advantage with ready-to-use package sizes already conforming to this ratio. No scales are required for weighing the components so that dosing mistakes can be practically ruled out. The ready-to-use mixture viscosity is "application optimised" which means

Fig. 3: Preparatory work for repairing the damaged areas

that working in awkward places (e.g. overhead) can be carried out without any trouble.

Hawipair® is highly elastic, can be processed on site and is eminently suitable for repairing construction components with elastic coatings, like, e.g., pipes, buoys, fenders, pumps, conveyor belts, vibration containers, bell slip ends, separators, funnels, aprons, chutes, cyclones, feed bunkers, spreader buckets. Amongst its properties, Hawipair® also features good chemical resistance (e.g. release oil) and the absence of solvents. If desired, it is possible give the product individual colouring.

Practical example of a professional repair on site

This practical example shows the repair to a rubberised discharge funnel with Hawipair® in combination with a Hawiflex® functional lining sheet as a protection against wear. For reasons of expense in this case, a conscious decision has been made not to repair unaffected areas. Hawipair® is also an outstanding adhesive so that the larger damaged area could be treated with a combinaton of materials – Hawipair® and Hawiflex® with a functional lining layer. The transition points between the polyurethane lining sheet (brown) and the old rubber lining were here filled with Hawipair® (white). The patented product with functional lining offers professional protection against wear with a predetermined breaking point. It enables you to „do-it-yourself“ in a rapid and environmentally friendly manner should a repair occur.

resistant to wear and spreadable with a spatula

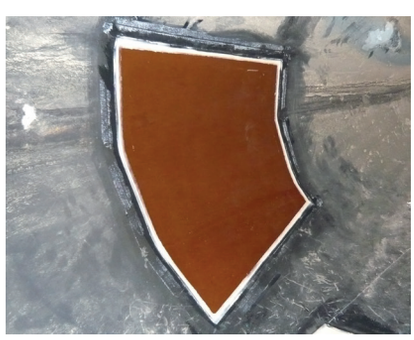

Fig. 4: Only one operation needed to fill a worn section with Hawipair® (white)

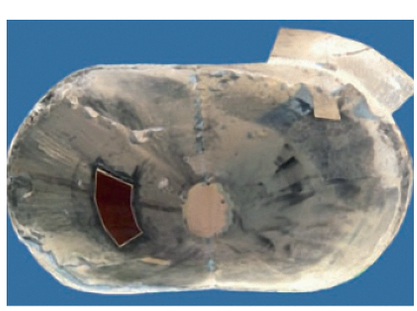

Fig. 5: Clearly visible: only the actual impact area (area of wear) has been repaired

habermann materials GmbH · Wullener Feld 73 · D-58454 Witten · +49 2302 66 06-175 · info@habermann-materials.de · www.habermann-materials.de