

WEICON GmbH & Co. KG

Wear protection for industry

Epoxy resin system Weicon WPG-19

The manufacturer of chemical-technical specialty products Weicon has developed a wear protection system that protects surfaces against erosion and abrasion caused by the impact of coarse particles – Weicon WPG-19.

Trowel-applied protective coating

WPG-19 is a fibre-reinforced, ceramic-filled, two-component epoxy resin system. The grey coating contains ceramic spheres up to two millimetres in size. It has been developed to protect surfaces exposed to the impact of coarse particles. The system is applied with a trowel. It is viscoplastic, highly impact resistant and extremely resistant to abrasion. It serves as wear protection in industry and is used for coating and lining various surfaces and components in industrial plants.

WPG-19 is used, for example, to protect chutes, bends, hoppers, troughs, slides and many other process systems exposed to abrasion and impact.

Plastic Metal

Plastic Metal refers to epoxy resin systems consisting of two components, a resin and a hardener. Depending on the type, the resin component is mixed with steel or aluminium powder or mineral fillers, which improves technical properties such as compressive strength and thermal conductivity.

Epoxy resin systems are suitable for a wide range of applications across different areas of industry. Plastic Metal can be used, for instance, in

industrial series production for bonding, coating, wear protection and fast, durable repairs on various materials.

After mixing the two components, Plastic Metal cures at room temperature into a solid, metal-like material that can be machined. The material can be drilled, milled, ground or filed as required.

Versatile applications

Plastic Metal WPG-19 can be used in many areas of industry, e.g. on pumps, screw housings and screw conveyors, friction plates, wood chip and conveying fans, pulverising systems, centrifuges, separators, chutes, hoppers, containers, dust filtration systems, fly ash filters and ventilation fans.

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Further information:

www.weicon.de

Company profile:

Since 1947, WEICON GmbH & Co. KG has been manufacturing special products for the industrial sector. The company's product range includes special adhesives and sealants, technical sprays as well as high-performance assembly pastes and lubricants for all areas of industry – from production, repair and maintenance to servicing.

WEICON is also active in the development and distribution of stripping tools.

The company's headquarters are located in Münster, Westphalia.

WEICON has subsidiaries in Dubai, Canada, Turkey, Romania, South Africa, Singapore, the Czech Republic, Spain, Italy, Colombia and Australia and is represented by partners in more than 120 countries all over the world.

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