

WEICON GmbH & Co. KG

Adhesive for extreme conditions

Epoxy resin system Weicon Fire Safe

Weicon, adhesive manufacturer based in Münster, Germany, has developed a flame-retardant adhesive system suitable for use under extreme conditions – Weicon Fire Safe.

For fire protection applications

Fire Safe is a white, flame-retardant, 2-component adhesive. It has a thick consistence and can be applied with a spatula. It is suitable for applications in the fire protection sector and is used to bond wear protection ceramics or steel parts to many different surfaces, such as metal or concrete. The adhesive system has a high bonding strength, is hard-flexible after curing and has been modified to be impact-resistant. Even under the most extreme conditions, the adhesive does not become brittle. It shows good wear protection properties in particle erosion, has good chemical resistance and is solvent-free. Fire Safe contains additives that cause self-extinguishing within a few seconds. It was tested according to DIN EN ISO 340 at DMT in Dortmund and passed the test successfully.

Suitable for many industrial sectors

The special adhesive can be used in many areas of application. Whether for fastening fire partitions and covers or components with fire resistance requirements.

Fire Safe can be used in many industrial areas, such as in refineries, in cement production, in the chemical industry, in container construction, in fittings construction or in insulation technology.

Plastic Metal

The term Plastic Metal describes epoxy resin systems, which consist of two components, one resin and one hardener. Depending on the type, the resin component is mixed with steel, aluminium powder or mineral fillers, all of which improve the technical characteristics, such as the compressive strength and thermal conductivity.

The epoxy resin system is suitable for a broad range of applications in different industrial areas.

Plastic Metal can be used, for example, in industrial series production for adhesive bonding, coatings and durable repairs on different materials.

After mixing the two components, the Plastic Metal cures at room temperature to a solid, metal-like material, which can then be machined. It can be drilled, milled, sanded or filed, if required.

341 words

48 rows

2227 signs (incl. blanks)

Further information:

www.weicon.de

Corporate profile:

Since 1947, WEICON GmbH & Co. KG has been producing speciality products for the industry in Germany. The range of products includes special adhesives and sealants, technical sprays and high-performance assembly pastes and greases for all areas of industry - from production over repair up to maintenance. Another field of activity is the development, sales and distribution of stripping tools.

The company headquarters is located in Muenster, Germany. WEICON has subsidiaries in Dubai, Canada, Turkey, Romania, South Africa, Singapore, in the Czech Republic, in Spain and in Italy. The company is represented by WEICON partners in more than 120 countries all over the world.

Media contact:

WEICON GmbH & Co. KG

Thorsten Krimphove M.A.

Public Relations

Koenigsberger Str. 255

48157 Muenster, Germany

Phone: +49 251 93 22 294

Mobile: +49 151 121 0606 7

E-mail: t.krimphove@weicon.de

Website: www.weicon.de

Social Media:

www.facebook.com/weicon

[www.twitter.com/weicon de](http://www.twitter.com/weicon_de)

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