

WEICON GmbH & Co. KG

Bonding low surface energy plastics

Weicon Easy-Mix PE-PP 50

For visually appealing adhesive bonding of low surface energy plastics, Weicon has developed a transparent adhesive – the structural acrylic adhesive Weicon Easy-Mix PE-PP 50.

Easy-Mix PE-PP 50

This product is a 2-component construction adhesive based on methyl acrylate. Due to its transparent curing, it is particularly suitable for visually appealing, high-strength adhesive bonding of low surface energy plastics, such as PE, PP and TPE.

Thanks to its special formula, the adhesive is suitable for zero-gap bonds and for connecting surfaces with extremely small bonding gaps of less than 0.2 mm.

The structural adhesive has a fast strength build-up and a high final strength. It is impact-resistant, ageing-resistant, chemical-resistant, and slightly thixotropic.

PE-PP 50 has a short pot life of six minutes and a processing time of twelve minutes. It is applied with a 1:1 system and does not require pre-treatment of the bonding surfaces, as the adhesive has an integrated primer.

Wide range of applications

The adhesive was developed to securely bond low surface energy plastics, such as HDPE, LDPE or PTFE.

Easy-Mix PE-PP 50 is also suitable for other plastics, such as rigid PVC, PA, PC, ABS, PMMA or fibre composites. In addition, the adhesive can be used to bond numerous other materials, such as galvanised steel, stainless steel, or aluminium.

Various fields of application

The structural adhesive can be used in many industrial areas, where visually appealing adhesive bonds of low surface energy plastics are required. These include, for example, advertising and trade fair construction, furniture production for outdoor areas, production of cooling units and freezers, as well as manufacture of sporting and fitness equipment.

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1794 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.

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