

PRODUCT

Korfill® 500 is a two component fast setting filler based on modified epoxy technology. It is characterised by its minimal health and safety classification only classed as an irritant. Packaged as cartridge applied product it offers excellent workability and adheres well to aluminium alloys and composite materials and has excellent long-term durability.

500
Korfil



Characteristics

- Two-component fast setting filler.
- Combines excellent filling properties with fast, easy sanding.
- Durable with high impact resistance.
- Flexible and strong.
- Easy application and workable.
- Easy to identify after application.
- Excellent adhesion to composites, plywood, aluminium alloys.
- Prevents corrosion and water ingress when used to seal vehicle floor joints.

Applications

- Floor joint sealing / filling.
- Filling holes.
- Levelling imperfections.
- Sealing / filling screw or heads.

Technical characteristics

Base Material	Epoxy Resin
Appearance	Thixotropic Paste Slightly Flowable
Colour	Component A - White Component B - Blue
Mix Ratio - By Volume	1:1
Mixed Density (g/cm ³)	0.96
Viscosity C&P @ 0.6 ⁻¹ (Pa.s)	140
Usable Life (mins)	15
Setting Time at 25°C (mins)	20 – 30
Setting Time at 60°C (mins)	5
Sandable After (mins)	30
Compressive Strength (MPa/PSI)	>20 / >5000
Lap Shear Strength (MPa/PSI)	15 / 2750
Shore D Hardness	60
Temperature Resistance (°C)	- 40 to +70
Water Absorption (% Increase in weight)	< 0.1
Rate of Extrusion at 20°C (ml/min)	350
Rate of Extrusion at 38°C (ml/min)	600

(*) These values may vary depending on environmental factors, such as: temperature, moisture and type of substrates.

Packaging

Contents	600ml cartridge.
Shelf life	12 months in unopened packaging, in a cool and dry storage place at temperatures between +10°C and +25°C.

Application

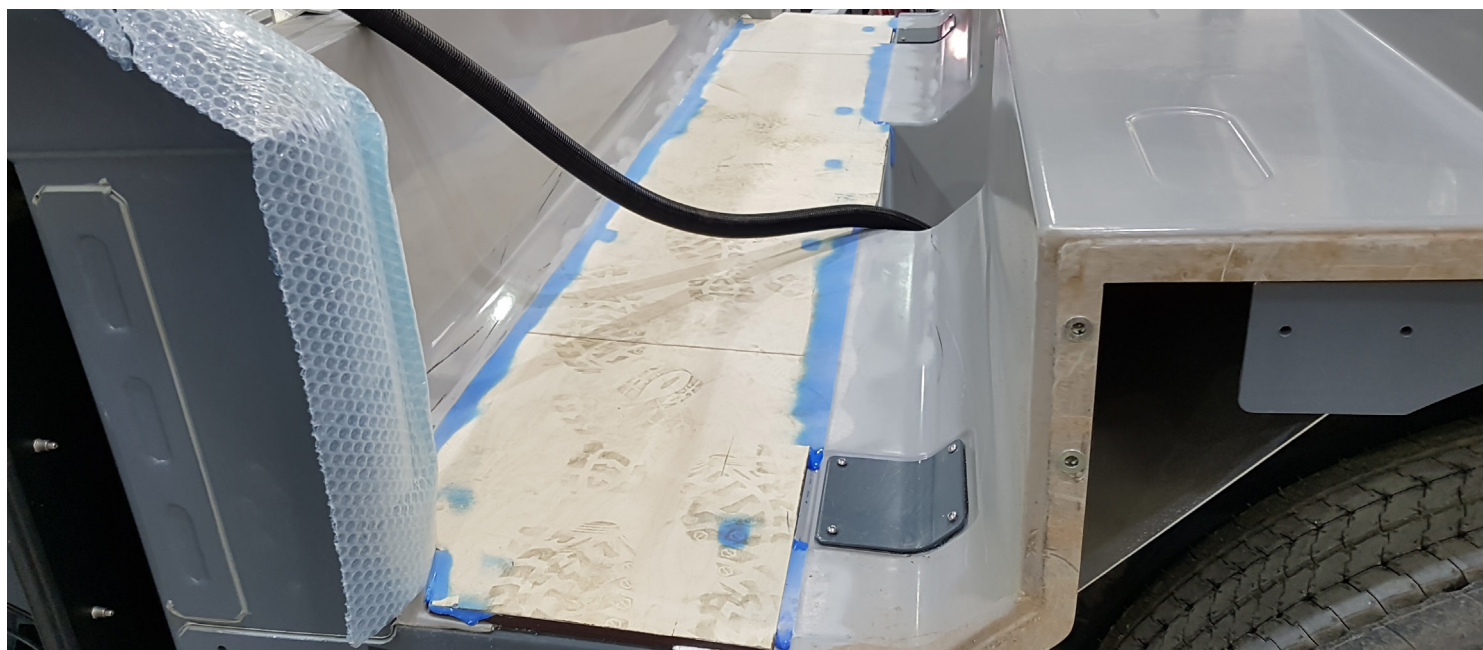
Method	Using manual or pneumatic applicator remove the resealable cap and pull trigger until both components are extruded at an equal rate, screw on a static mixer nozzle, Dispose of the first 2cm of mixed adhesive before applying. After application remove nozzle and replace cap. To restart repeat these instructions.
Application temperature	+5°C to +35°C.

Substrates

Nature	Clean, dry, free of dust and grease.
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Resistance to chemical agents

Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis. Poor resistance to aromatic solvents, concentrated acids, chlorinated hydrocarbons.



Remarks, Disclaimer & Health and safety

Disclaimer - The variability of materials, substrates and conditions of use is such that no warranty of their functionality for a specific application can be deducted from this information, written recommendation or any other type of suggestion offered. Each user has the responsibility to complete adequate evaluations on the efficacy of the materials offered by Forgeway, of its products, services, recommendations and suggestions for the specific application need, and must accomplish sufficient testing to ascertain that the final product will be safe and sound for the final intent of the end user.

Health and safety - Refer to Safety Data Sheet (SDS) for further information. Apply the usual industrial hygiene. Always use in well ventilated areas. The mixing of the adhesive and hardener starts a chemical reaction which is exothermic (15mm thickness and greater can generate temperatures of over 120°C).

Reviewed November 2018

