

## :: Haftstahl

steel bond

### CHARACTERISTICS

CS STEEL BOND is a solvent-free 2component repair and binding agent on an epoxy resin basis. This material can attain exceptionally high values in terms of compressive strength, adhesion, hardness and temperature resistance. These quality characteristics along with the low volume allow tension- and crack-free repairs.

### APPLICATION

CS STEEL BOND is characterized by its universal use. It is suitable for filling holes, cracks, edges, blowholes and unsealed areas as well as for connecting uniform and disparate working materials including metals, wood, cast and stone. Easy application with putty-like consistency. Behaves like metal once hardened. Suitable for drilling, milling, tapping etc. Ideal for use in vehicle repair or workshop.

### PRODUCT DATA

#### MATERIAL DATA:

A-Component  
Colour: Darkgrey  
Form: Past-like  
Density: 2,85 g/cm<sup>3</sup>  
Flashpoint: >100°C

B-Component:  
Colour: Red-brown  
Form: Paste-like

Density: 2,51 g/cm<sup>3</sup>

Flashpoint: >101°C

### **Storage:**

12 month in closed original container at +15°C - +25°C.

Make Eventually hardened CS STEEL BOND smooth again by heating before adding the hardener (30°C - 50°C in a water bath or on a heater).

Prevent any penetration into the soil. Keep container in well ventilated place.

### **HANDLING**

The application area must be clean, dry and free of rust, paint and grease. Sanding the contact area will improve adhesion, as will notches and grooves.

Thoroughly mix CS STEEL BOND with the hardening agent in a ratio of 100:40 by weight. The correct mixing ratio is proportional the amount of the tube content to the two hardener tubes, i.e. half the tube content to one tube hardener. Both tubes are intended for one-time use only.

20°C is recommended as an ideal processing temperature for the surface and CS STEEL BOND. At this temperature, the mixture has a pot life of about 25 minutes, and should be used within this period.

A 10 mm thick layer will harden in approx. two hours. Heat accelerates the curing process. For use as filler material, apply the substances like putty. As a binding agent (cold welding), apply material, then join the parts and leave to harden. For repairing holes, cracks and pipes apply CS STEEL BOND to textile, glass fabric or wire mesh. Use as plaster or bandage. Several layers can be applied.

CS STEEL BOND is very malleable.

### **DISPOSAL**

Traces of the coating material may not enter the sewerage system. Only

empty containers may be disposed of in an approved container or landfill in accordance with the local legal regulations.

### **SAFETY ISSUES**

The before mentioned technical data and information, especially the recommendations for applying and using our products, are based on our current knowledge and experience when applied under normal conditions. In practice, the materials, surfaces or site conditions are so different that no warranty regarding the working results or liability, arising out of any relationship, can be inferred neither from this information nor from a verbal consultation, except we are charged with intent or gross negligence. In this case the user is obliged to prove that he has informed us about all points required for a proper and promising judgement in writing, in time and completely. Patent rights of any third party are to be observed. Furthermore, our general sales and delivery Terms and Conditions and the latest Technical Data Sheet, which should be demanded, apply.

Directions for handling and waste disposal are in our Material Safety Data Sheet and the specifications of the Employers Liability Insurance Association for the chemical industry.

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