

Stahlfix

Technical Data Sheet

Description

Stahlfix is a with steel powder reinforced epoxy putty used to provide fast, permanent repairs to items made of ferrous metal.

Recommended Applications

- Sealing of pipes and tanks
- Various repairs of metal objects
- Repairs of damaged threads
- Repairs of broken areas

Features

Stahlfix is a hand kneadable epoxy putty supplied as a two-part concentric stick of contrasting colours (grey and dark grey); after curing the material can be drilled, filed or grinded.

Resistance

Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.

Surface Preparation

In order to achieve optimum adhesion, surfaces should be cleaned free of oil and grease, dirt, paint etc., and should be dry. To ensure a good bonding, abrade the surface followed by additional cleaning.

Preparation of Material

Twist or cut off the required amount of Stahlfix. If the material is cold mixing may be difficult, and warming to room temperature is advised. To mix, knead the putty with the fingers for at least one minute or until it is a uniform dark grey colour.

Application Instructions

Press the putty onto the prepared surface within 2 minutes of mixing. If it is being used as an adhesive, force some putty against each of the two surfaces to be joined, before pressing the faces together, and support the joint as necessary. If it is being used as a filler/repair material force the putty into the area to be filled, and shape and strike off any excess with a tool wetted with clean water. For a smooth appearance rub with water or a damp cloth within the working life of the putty.

Curing Time

After 5-10 minutes the putty will harden like metal, and start to form a tenacious bond. After 60 minutes the material is sufficiently cured to be drilled, filed or otherwise worked, and it will achieve full cure after 24 hours.

Packing Units

Stahlfix is supplied in rod form, wrapped in transparent foil and packed in a transparent tube. Diameter of the rod about 22 mm.

Storage

The material should ideally be stored in unopened original bins under cool, dry and frost free conditions, at temperatures between +10 and +32 °C, divergence during transport is acceptable. Please observe the expiry date stated on the material.

Safety Instructions

For the handling of our products, the significant physical, safety-related, toxicological and ecological data according the substance-specific safety data sheet are to be extracted. The applicable rules and regulations, such as for example the Hazardous Substances Regulation, have to be observed. A detailed safety data sheet will be delivered with the material or is available upon request.

Technical Data			
Shore-D hardness		80	
Compressive strength		80	N/mm ²
Working life at 20 °C		3	minutes
Temperature limitations	continuous	120	°C
	temporary	150	°C