

Unifix

Technical Data Sheet

Description

Unifix is a ceramic epoxy putty used to provide permanent repairs in wet or under water applications. It may be applied underwater, and it will bond tenaciously to substances such as fibreglass, metal, wood, concrete and ceramics.

Recommended Applications

- Sealing of water pipes, tanks
- Different repairs under water
- Repairs of broken areas various art
- Repairs of ceramic tiles
- Closing of bore holes
- Repairs on hard rubber

Features

Unifix is a hand knead able epoxy putty supplied as a two-part concentric stick of aquamarine and white contrasting colours; after curing the material can be drilled, filed or sanded and re-painted as required.

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 grease, dirt, paint etc. To ensure a good bond, abrade the surface followed by additional cleaning.

Preparation of Material

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

Application Instructions

Press the putty onto the prepared surface within 5 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 within the working life of the putty.

Curing time

After 20-30 minutes the putty will harden and start to form a tenacious bond. After 60 minutes the material is sufficiently cured to be drilled or sawn, and it will achieve full cure after 24 hours.

Packaging

Unifix is supplied in a stick form wrapped in a clear release film. The stick has a nominal 22mm diameter. It is supplied in a tube.

Cleaning

All tools should be cleaned using industrial solvents (acetone, xylene, alcohol, methylethylketone) before the material hardens. If the material is allowed to set, it can only be removed by mechanical means.

Storage

The material should ideally be stored in unopened original bins under cool, dry and frost free conditions, at temperatures between +5 and +20 °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		65
Compressive strength		75 N/mm ²
Working life at 20 °C		15 minutes
Temperature limitations	continuous	120 °C
	temporary	150 °C