

Technical data sheet

REPOXAL TW two-component glue solvent-free for fibre concrete

tested according to DVGW worksheet W270 and UBA epoxy resin guideline

Product description:

The REPOXAL TW GLUE solvent-free reacts due to its chemical combination with the REPOXAL TW HARDENER. The chemical change results in a hard, water-resistant, chemical-resistant glue suitable for drinking water. These properties are gained after an appropriate hardening time, depending on the temperature of the building structure.

Application:

The REPOXAL-TW-GLUE is used for waterproof plugging of MAX FRANK distance tubes in areas that come into contact with drinking water.

Technical data:

Product properties	REPOXAL-TW Comp. A	REPOXAL-TW Comp. B
Mixture ratio:	500	250
Density:	approx. 1.75 g/ml	approx. 1.51 g/ml
Viscosity:	thixotropic	thixotropic
Pot life:	approx. 3 hours at 20°C and 65% relative humidity	
Colour:	grey	
Shelf life:	12 months in closed original container when stored in a cool and dry place	

Application instructions:

The REPOXAL TW comp. A must be stirred thoroughly before the content of the comp. B hardener can be filled in completely. Both components have to be mixed thoroughly to obtain a completely homogeneous mass. Bottom and vessel walls must also be grasped.

Additional mixing in of hardener is not allowed as thus the conditions of the tests are no longer fulfilled.

Pot life: approx. 3 hours at 20°C
 Drying time at 20°C: light load after 48 hours
 normal load after 96 hours

Higher temperatures reduce, lower temperatures increase the application and reaction time. At temperatures below +5°C, no chemical reaction takes place, the glue does not harden. Therefore, no gluing should be done below +5°C. The specified temperatures always refer to the temperature of the component.

Safety data:

When using this product, please observe the instructions in the corresponding safety data sheet, the relevant legal regulations (Ordinance on Hazardous Substances) and the regulations of the employer's liability insurance association. Safety data sheets are available for download on our website www.maxfrank.com in the "service" category.

The information in this data sheet corresponds to the current state of our knowledge and is intended to provide information about our products. They are therefore meant to guarantee certain properties of the products and their suitability for a specific application. Buyers and users are thus solely responsible for assessing the suitability of our products for the requirements placed on them under the prevailing conditions.

Resistance list

of the binder contained in the REPOXAL TW GLUE solvent-free against various agents. The load tests were carried out at 20°C, the quality was checked monthly. The tests were stopped after 1 year.

Agents		Load time	Constitution of film	Resistance
Dist. water		1 year	no change	resistant
Tap water		1 year	no change	resistant
Mineral water CO ₂		1 year	no change	resistant
Sea water		1 year	no change	resistant
Water in indoor swimming pools		1 year	no change	resistant
Soda solution	20 %	1 year	no change	resistant
Potash lye	50 %	1 year	no change	resistant
Sodium hydroxide	20 %	1 year	no change	resistant
Hydrochlorid acid	10 %	1 year	no change	resistant
Sulphuric acid (AKKU-acid)	20 %	after 2 months	slight bubbling	not resistant
Nitric acid	10 %	after 2 months	slight discolouration and begin of bubbling	not resistant
Calcium hypochlorid	5 %	1 year	no change	resistant
Sulphurous acid	10 %	1 year	no change	resistant
Sodium sulphide	40 %	1 year	no change	resistant
Ammonium sulphate	20 %	1 year	no change	resistant
Detergent lye		1 year	no change	resistant
Axal acid	5 %	1 year	begin of bubbling	partly resistant
Glycerine		1 year	no change	resistant
Edible oil		1 year	no change	resistant
Coca Cola		1 year	no change	resistant
Light petrol		1 year	no change	resistant
Test petrol		1 year	no change	resistant
Diesel		1 year	no change	resistant
Methane gas		1 year	no change	resistant
Ozone		1 year	no change	resistant
Formaldehyde	30 %	7 days	no change	resistant
Isobutylaldehyde	98 %	7 days	surface mostly stripped off	not resistant
Bitumen	---	---	---	resistant

The usability of the products in the specific application situation must be checked by the user. This data sheet is constantly updated. We therefore explicitly reserve the right to make technical changes without prior notification of the customer. The currently valid version can be found on our homepage under: www.maxfrank.com. In addition, our General Conditions of Sale apply.