

Technical Data Sheet

REPOXAL®-TW- ADHESIVE solvent-free for fibre concrete

Two-component adhesive for bonding plugs and sealing cones in the drinking water sector



Product

Description

REPOXAL®-TW-ADHESIVE reacts with the REPOXAL®-TW-HARDER due to its chemical composition. The chemical reaction results in a hard, waterproof, chemical-resistant adhesive that is suitable for drinking water application. These properties are achieved after an appropriate curing time, depending on the temperature of the building structure.

Uses

REPOXAL®-TW-ADHESIVE is used for waterproof plugging of MAX FRANK fibre concrete distance tubes in areas that might be exposed to drinking water.

Characteristics / advantages

- solvent-free

Test Reports

Approvals / Standards

Tested according to DVGW worksheet W270 and UBA epoxy resin guideline

Product Data

Appearance

Two-component adhesive, grey

Packaging

Tin cans with 500 g / 250 g content

Storage

12 months in closed original container when stored in a cool and dry place.

Technical Characteristics

Product properties:	REPOXAL®-TW Comp. A	REPOXAL®-TW Comp. B
Mixing ratio:	500 g	250 g
Density:	approx. 1,75 g/ml	approx. 1,51 g/ml
Viscosity:	Thixotropic	Thixotropic
Pot life:	approx. 3 hours at 20°C and 65 % rel. humidity	

Application instructions

REPOXAL®-TW Comp. A must be stirred well before the contents of the hardener can (comp. B) are poured in completely. Both components must be mixed thoroughly so that a completely homogeneous mass is obtained. The base and walls of the tin must also be covered.

Additional mixing of hardener is not permissible, as this no longer fulfils the conditions of the tests.

Drying time at 20°C: Easily loadable after 48 hours
 After 96 hours normal loadable

Higher temperatures shorten, lower temperatures extend the processing and reaction time. At temperatures below +5°C no chemical reaction takes place, the adhesive does not cure. Therefore, no bonding should be carried out below +5°C.

The indicated temperatures always refer to the temperature of the component.

Safety Data

When using this product, please observe the information in the respective safety data sheet, the relevant legal regulations (Ordinance on Hazardous Substances) and the regulations of the employers' liability insurance association. Safety data sheets are available for download on our website www.maxfrank.de in the "Service" section.

Environment / Sustainability

The company MAX FRANK GmbH & Co. KG has implemented a certified environmental management system since July 2022.

Please dispose of and recycle the packaging in accordance with the applicable legal regulations.

Resistance

of the binder contained in **REPOXAL®-TW-ADHESIVE** solvent-free to various agents. The load tests were carried out at +20°C, the condition was checked monthly. The tests were stopped after 1 year.

Agents	Load time		Constitution of film	Resistance
Dist. Water	1 year		no change	constant
Tap water	1 year		no change	constant
Mineral water CO ₂	1 year		no change	constant
Sea water	1 year		no change	constant
Water in indoor swimming pools	1 year		no change	constant
Soda solution	20 %	1 year	no change	constant
Potash lye	50 %	1 year	no change	constant
Sodium hydroxide	20 %	1 year	no change	constant
Hydrochloric acid	10 %	1 year	no change	constant
Sulphuric acid (AKKU-acid)	20 %	after 2 months	slight blistering	not durable
Nitric acid	10 %	after 2 months	slight discolouration and incipient blistering	not durable
Calcium hypochlorid	5 %	1 year	no change	constant
Sulphurous acid	10 %	1 year	no change	constant
Sodium sulphide	40 %	1 year	no change	constant
Ammonium sulphate	20 %	1 year	no change	constant
Detergent lye		1 year	no change	constant

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Axal acid	5 %	1 year	incipient vesiculation	conditionally stable
Glycerine		1 year	no change	constant
Edible oil		1 year	no change	constant
Coca Cola		1 year	no change	constant
Light petrol		1 year	no change	constant
Test petrol		1 year	no change	constant
Diesel		1 year	no change	constant
Methane		1 year	no change	constant
Ozone		1 year	no change	constant
Formaldehyde	30 %	7 days	no change	constant
Isobutyraldehyde	98 %	7 days	Surface is mostly detached	not durable
Bitumen	---	---	---	constant

Disclaimer / Notes:

The usability of the products in the specific installation situation must be checked by the user. This data sheet is constantly updated. Technical changes are therefore expressly reserved without prior information of the customer. The currently valid version can be found on our website at: www.maxfrank.com. Our General Terms and Conditions of Sale apply in addition.

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