

## Technical Data Sheet

# REPOXAL two-component glue for fibre concrete

for gluing sealing plugs and sealing cones



## Product

**Description** The **REPOXAL GLUE** solvent-free reacts due to the chemical combination with the **REPOXAL HARDENER** solvent-free. The chemical change results in a hard, water-resistant and chemical resistant glue. These properties are gained after an appropriate hardening time.

**Uses** The solvent-free **REPOXAL GLUE** two-component is used for the waterproof sealing of MAX FRANK distance tubes. The **REPOXAL GLUE** is suitable for gluing both our sealing plugs and our sealing cones.

**Characteristics / advantages** Solvent-free

## Test Reports

**Approvals / Standards** not required

## Product Data

**Appearance** Two-component adhesive

**Packaging** Tin cans with 710 g / 290 g content

**Storage** 2 years in sealed original container

| Technical Characteristics | Product properties: | REPOXAL-GLUE<br>solvent free                                    | REPOXAL-HARDENER<br>solvent-free |
|---------------------------|---------------------|---|----------------------------------|
|                           | Viscosity:          | thixotropic   | thixotropic                      |
|                           | Colour:             | light grey  | brown black                      |
|                           | Content:            | 710 g   | 290 g                            |
|                           | Mixture ratio:      | Both components can be mixed in the specified volumetric ratio. |                                  |

**Application instructions**

Both components must be mixed well so that no dark streaks are visible.

Pot life: 4 hours at 20°C

Drying Time at 20°C: after 48 hours light load  
after 96 hours normal load

High temperatures reduce and lower temperatures increase the application- and reaction time. At temperatures below +5°C, there is no chemical reaction, the glue does not harden. Therefore, no applications should be done below temperatures of +5°C.

The indicated temperatures always relate to the component temperatures.

**Safety Data**

For the application of this product, please consider the instructions of the corresponding data sheet (91/155/EG). Safety data sheets are available for download on our website [www.maxfrank.com](http://www.maxfrank.com) in the “service” category.

**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 the **REPOXAL GLUE** two-component against various agents.

The tests were performed at 20°C and the quality was controlled monthly. The tests were stopped after 2 years.

Repoxal is resistant to silage leachate.

Only a permanent change in colour is to be expected if the exposure time is long enough.

However, the quality is not negatively affected.

| Agents                                 | Load time    | Constitution of film | Resistance |
|--|--------------|----------------------|------------|
| Dist. Water                            | 2 years      | no change            | resistant  |
| Tap water                              | 2 years      | no change            | resistant  |
| Mineral water CO <sub>2</sub>          | 2 years      | no change            | resistant  |
| Sea water                              | 2 years      | no change            | resistant  |
| Water in indoor swimming pools         | 2 years      | no change            | resistant  |
| Waste water in municipal sewage plants | 2 years      | no change            | resistant  |
| Soda solution                          | 20 % 2 years | no change            | resistant  |
| Potash lye                             | 50 % 2 years | no change            | resistant  |
| Sodium hydroxide                       | 20 % 2 years | no change            | resistant  |
| Hydrochlorid acid                      | 10 % 2 years | no change            | resistant  |
| Sulphuric acid                         | 10 % 2 years | no change            | resistant  |

|                            |      |                     |  |   |
|----------------------------|------|---------------------|--|---|
| Sulphuric acid (AKKU-acid) | 20 % | after 2 months      | slight bubbling                            | not resistant                               |
| Nitric acid                | 10 % | after 2 months      | slight discoloration and begin of bubbling | not resistant                               |
| <b>Agents</b>              |      | <b>Load time</b>    | <b>Constitution of film</b>                | <b>Resistance</b>                           |
| Calcium hypochlorid        | 5 %  | 2 years             | no change                                  | resistant                                   |
| Sulphurous acid            | 10 % | 2 years             | no change                                  | resistant                                   |
| Sodium sulphide            | 40 % | 2 years             | no change                                  | resistant                                   |
| Ammonium sulphate          | 20 % | 2 years             | no change                                  | resistant                                   |
| Detergent lye              |      | 2 years             | no change                                  | resistant                                   |
| Axal acid                  | 5 %  | 1 ½ years           | begin of bubbling                          | partly resistant                            |
| Glycerine                  |      | 2 years             | no change                                  | resistant                                   |
| Edible oil                 |      | 2 years             | no change                                  | resistant                                   |
| Wine vinegar               |      | 2 years             | no change                                  | resistant                                   |
| Pickable cabbage           |      | 2 years             | no change                                  | resistant                                   |
| Milk                       |      | 2 years             | no change                                  | resistant                                   |
| Whey (sour)                |      | 2 years             | no change                                  | resistant                                   |
| Coca Cola                  |      | 2 years             | no change                                  | resistant                                   |
| Light petrol               |      | 2 years             | no change                                  | resistant                                   |
| Test petrol                |      | 2 years             | no change                                  | resistant                                   |
| Diesel                     |      | 2 years             | no change                                  | resistant                                   |
| Biodiesel                  |      | after a few minutes | Changing the surface                       | not resistant                               |
| Hydraulic oil              |      | ---                 | ---  | resistant                                   |
| Methanol                   | 50 % | 2 years             | no change                                  | resistant                                   |
| Ethyl alcohol              | 50 % | 2 years             | no change                                  | resistant                                   |
| n-Hexane                   | ---  | ---                 | ---  | resistant                                   |
| Methane                    | ---  | ---                 | ---  | resistant                                   |
| Ozone                      | ---  | ---                 | ---  | resistant                                   |
| Ammonia                    | ---  | ---                 | ---  | resistant                                   |
| Silage leachate            | ---  | ---                 | ---  | resistant<br>(with permanent colour change) |
| Pig, cattle slurry         |      | 2 months            | without change                             | resistant                                   |
| Formaldehyde               | 30 % | 7 days              | no change                                  | resistant                                   |
| Isobutyraldehyde           | 98 % | 7 days              | Surface mostly stripped off                | not resistant                               |
| Bitumen                    | ---  | ---                 | ---  | resistant                                   |

**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](http://www.maxfrank.com). Our General Terms and Conditions of Sale apply in addition.

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