

Fitness for use

Some creep tests have been conducted in accordance with ETAG guideline 001 part 5 and TR 023 in the following conditions: **in dry environment at 50 °C during 90 days.**

These tests show an excellent behaviour of the post-installed connection made with HIT-RE 500 V3: low displacements with long term stability, failure load after exposure above reference load.

Resistance to chemical substances

Chemicals tested	Content (%)	Resistance	Chemical tested	Content (%)	Resistance
Toluene	47,5	+	Sodium hydroxide 20%	100	-
Iso-octane	30,4	+	Triethanolamine	50	-
Heptane	17,1	+	Butylamine	50	-
Methanol	3	+	Benzyl alcohol	100	-
Butanol	2	+	Ethanol	100	-
Toluene	60	+	Ethyl acetate	100	-
Xylene	30	+	Methyl ethyl ketone (MEK)	100	-
Methylnaphthalene	10	+	Trichlorethylene	100	-
Diesel	100	+	Lutensit TC KLC 50	3	+
Petrol	100	+	Marlophen NP 9,5	2	+
Methanol	100	-	Water	95	+
Dichloromethane	100	-	Tetrahydrofurane	100	-
Mono-chlorobenzene	100	o	Demineralized water	100	+
Ethylacetat	50	-	Salt water	saturated	+
Methylisobutylketone	50	-	Salt spray testing	-	+
Salicylic acid-	50	+	SO ₂	-	+
Acetophenon	50	+	Enviroment/wheather	-	+
Acetic acid	50	-	Oil for formwork (forming oil)	100	+
Propionic acid	50	-	Concentrate plasticizer	-	+
Sulfuric acid	100	-	Concrete potash solution	-	+
Nitric acid	100	-	Concrete potash solution	-	+
Hydrochloric acid	36	-	Saturated suspension of borehole cuttings	-	+
Potassium hydroxide	100	-			

- +** Resistant
- Not resistant
- o** Partially Resistant

Fitness for use

Some creep tests have been conducted in accordance with ETAG guideline 001 part 5 and TR 023 in the following conditions: in dry environment at 50 °C during 90 days.

These tests show an excellent behaviour of the post-installed connection made with HIT-HY 200: low displacements with long term stability, failure load after exposure above reference load.

Resistance to chemical substances

Chemical	Resistance
Air	+
Acetic acid 10%	+
Acetone	o
Ammonia 5%	+
Benzyl alcohol	-
Chloric acid 10%	o
Chlorinated lime 10%	+
Citric acid 10%	+
Concrete plasticizer	+
De-icing salt (Calcium chloride)	+
Demineralized water	+
Diesel fuel	+
Drilling dust suspension pH 13,2	+
Ethanol 96%	-
Ethylacetate	-
Formic acid 10%	+
Formwork oil	+

Chemical	Resistance
Gasoline	+
Glycole	o
Hydrogen peroxide 10%	o
Lactic acid 10%	+
Machinery oil	+
Methylethylketon	o
Nitric acid 10%	o
Phosphoric acid 10%	+
Potassium Hydroxide pH 13,2	+
Sea water	+
Sewage sludge	+
Sodium carbonate 10%	+
Sodium hypochlorite 2%	+
Sulfuric acid 10%	+
Sulfuric acid 30%	+
Toluene	o
Xylene	o

+

resistant

o

resistant in short term (max. 48h) contact

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not resistant