

TECHICAL DATA SHEET erde™ GTR Q

Two-Components high-performance structural adhesive, flexible

Description

erde™ GTR Q is a two-component, high-performance structural adhesive based on modified acrylics. It shows perfect adhesion to a wide range of materials; steel, aluminum, copper, chromium, brass, nickel, zinc, polyester, PVC, ABS, epoxidharz, glass, wood, concrete, stone, magnet etc.

Characteristics

Without stringing, low acid value and low odor;
 Excellent temperature stability -30°C/+150°C
 Fast cure at room temperature and with broadly workability, flexible
 All – purpose, easy operation
 High impact resistance and excellent shear strength;
 Fill gaps up to 10.00 mm
 Resistant against outdoor conditions and humidity.

	A	B
Appearance	Colorless transparent viscous liquid	Translucent colorless viscous liquid
Viscosity(cps/25°C)	20000-30000	20000-30000
Specific gravity (g/m ³ ,20°C)	1.01±0.02	1.01±0.02
Solid Content	% 100 acrylic	
Used and characteristics		High thixotropy,not flowing

Operation instructions

The surface needs to be clean, dry and free of grease and release agents.
 The mix ratio is 1:1, mixed thoroughly and then applied to bonded surface. It is suggested to use a mixer or automatic dispensing machine. If the temperature below 20°C, the curing time will be extended. You can heat it (temperature should be 45°C~55°C) to accelerate the cure speed.

Curing

Initial strength after 10 to 20 minutes. 75% of final strength after 1 hour. Complete final strength in 24 hours.

Shear Strenght

METALS	N/m m ²	PLASTIC	N/m m ²
Steel – Steel	27.6	Polyester – Polyester	3.1
Aluminum – Aluminum	22.4	PVC – PVC (hard)	3.5*
Copper – Copper	24.4	ABS – ABS	4.7
Stainless Steel – Stainless Steel	20.4	Styrol – Styrol	2.4
Brass – Brass	22.8	Epoxy FRP – Epoxy FRP	8.4*
Chromium – Chromium	16.2	Phenylic FRP – Phenylic FRP	6.5*
Nickel – Nickel	19.3		
Zinc – Zinc	21.4		

* aware of possible surface damage

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Chemicals	N/mm2	Resistance
Petroleum	24.6	% 87
Water	22.5	% 80
Sodium Carbonate	22.3	% 79
Xylene	19.5	% 69
Ethyl Acetate	9.10	0
Acetone	---	0

Storage

The product should be stored in a dark, cool (room temperature) and dry place.
If stored properly the product has a shelf life of minimum 12 months.

Package 50 ml or 400 ml cartridges , 1 kg or 5 kg pot

Cautions

The working place should be well ventilation.

It is inflammable, keep away from fire.

Avoid contact with the skin. In case of contact with skin, immediately rinse with plenty of water and soap.