

weber ankraj EA

Epoxy acrylate based, high performance, thixotropic anchoring and fitting material

Technical Data Sheet
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■ Description

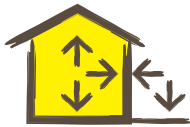
Epoxy acrylate based, two components, very fast curing, high performance, thixotropic anchoring and fitting material.

■ Advantages

- High mechanical strength in short time
- Perfect protection of reinforcement bars against corrosion
- Applicable with standard caulking guns
- Applicable on damp substrates

■ Application areas

Used for reinforcement applications on concrete for strengthening or additional constructions; fitting applications subject to heavy and medium loads; fixing injection packers; insulation of cracks; bolting and anchoring fittings; bonding concrete, stone, pre-cast construction materials.



■ Application substrates

- Interiors and exteriors;
- Concrete walls
 - Stone walls

Please consult us for all other application substrates.

■ Preparation of substrates

- The application substrate should be sound.
- Anchorage hole should be clean, dry and free from products like oil and grease.
- Reinforcement bar to be applied should be clean, free from rust and have the desired load carrying capacity.
- For the correct anchorage, diameter of the hole should be prepared using a drill, with the diameter of 1.1x and 1.25x of the bar diameter; depth of the hole (embedding depth) should be at least 10x of the bar diameter.

■ Application conditions

- Surface and ambient temperature between +5°C and +30°C.
- Avoid application in extremely hot and/or damp weather.
- Should not be used on frozen or melting substrates, or substrates with the risk of frost within 24 hours.

■ Application

- Open the cap of the cartridge, cut the foil inner packaging by holding the edge clip.
- Attach the static mixer tip to the cartridge then place to the gun.
- Dispose the first mixture coming from the cartridge. Do not use the material until two components mixed completely. Colour of the material indicates the mixture status of two components.
- Homogenously mixed material is applied to the 3/4 in depth of the anchorage hole prepared according to the given diameter and depth values.
- Reinforcement bar should be placed in the hole carefully by slowly rotating.
- Ensure the material overflows.

■ Application tools

Caulking gun

■ Consumption

Anchorage dimensions and approximate consumption for the concrete: (valid for C 20/25 concrete and ribbed reinforcement. 5 % material loss is considered).

Reinforcement Diameter(mm)	Hole Diameter (mm)	Hole Depth (mm)	Required Material (ml)	Number of Reinforcements (unit)
10	14	140	11,6	25
12	16	160	15,3	19
14	18	180	20,0	15
16	20	200	25,0	12
18	22	220	30,5	9
20	24	240	37,0	8
22	26	260	43,2	7
24	28	280	50,4	6
26	30	300	58,2	5
28	32	320	71,5	4

Points of attention

- Do not use the first light/dark coloured mix from the cartridge. Check the colour to ensure the material is mixing properly.
- Product performance may change depending on substrate resistance, ingredients and porousness. Make a test before the application for desired performance.
- Do not expose to direct sunlight.
- Use protective goggles and gloves while applying **weber ankraj EA**, avoid eye and skin contact. In case of contact with eyes or skin, rinse immediately with plenty of clean water and seek medical attention.
- Make sure the environment is ventilated during the application of **weber ankraj EA**.

Technical specifications

PRODUCT	weber ankraj EA
Chemical structure	Epoxy acrylate
Packaging	300 ml cartridge
Colour	A component: Beige B component: Dark grey Mix: Grey
Density	A component: 0,96±0,03 g/cm ³ B component: 1,45-1,55 kg/cm ³ Mix: 1,70 ± 0,03 kg/cm ³
Full curing	7 days
Application temperature	Between +5°C and +35°C
Heat resistance (cured)	Between -30°C and +100°C
Serving temperature	Between 0°C and +80°C

Curing time;

Temperature (°C)	Gel Time (dk)	Curing Time (dk)
-5°C	50	90
5°C	12	50
15°C	6	35
25°C	3	30
35°C	2	25

Tensile strength for concrete;

Reinforcement Diameter (mm)	Min. Hole Diameter (mm)	Hole Depth(mm)	Min. Tensile Strength (kN)
8	10	80	7
10	12	100	11
12	14	120	15
26	30	300	58,2
28	32	320	71,5

The stated times apply for 20°C substrate and ambient temperature; increase at lower temperatures and decrease at higher temperatures.

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Chemical resistance;

Material	Resistance
Diesel	Can be exposed permanently
Acetic acid (%5)	Can be exposed permanently
Sulphuric acid (%25)	Not recommended./Can be exposed very short time.
Salt water	Can be exposed permanently
Sodium hydroxide (%10)	Can be exposed permanently
Methanol	Never recommended

Storage

Packaging	300 ml cartridge
Shelf life	<ul style="list-style-type: none"> 1 year from date of manufacture when stored unopened and undamaged, between +5°C and +25°C, in a dry, moisture-free environment. Storing in high temperatures decreases the shelf life of the product. Do not expose direct sunlight.

Safety precautions

- Use appropriate safety equipment (mask, gloves, glasses).
- Protect your eyes/face.
- Avoid direct contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Please read Material Safety Data Sheet (MSDS) for further safety information.

LEGAL DISCLAIMER

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