

weber ankraj PE

Polyester based anchorage and fitting material

Technical Data Sheet

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■ Description

Polyester based, two components, fast setting anchorage and fitting material.

■ Advantages

- Rapid curing
- High resistance to chemicals
- Suitable for application on damp substrates

■ Application areas

Used on interiors and exteriors of all buildings for;

- Reinforcement applications on concrete for strengthening or additional constructions.
- Bolt and anchor 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.
- Application reinforcement should be clean, free from rust and have the desired load carrying capacity.
- For the correct anchorage, diameter of the hole should be 1,1 and 1,25 times of the bar diameter; depth of the hole (embedding depth) should be at least 10 times of the bar diameter; the hole should be prepared using drill.

■ 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, attach the static mixer tip then place in 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 height of the anchorage hole prepared according to given diameter and depth values.
- Reinforcement 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 PE**, avoid eye and skin contact. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Make sure the environment is ventilated during the application of **weber ankraj PE**.

■ Technical specifications

PRODUCT	weber ankraj PE
Chemical structure	Polyester based
Packaging	300 ml cartridge
Colour	A component: Beige B component: Dark grey Mix: Grey
Density	A component: 1,62±0,03 g/cm³ B component: 1,45-1,55 kg/cm³
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

■ 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

Saint-Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş. is not responsible for any errors arising from the use of product beyond its intended purpose or not complying the application procedures mentioned above.

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

Saint-Gobain Weber Yapı Kim. San. ve Tic. A.Ş. is not responsible for the application errors arising from use of product beyond its intended purpose of failure to comply with the forgoing application conditions and advice on the product.



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