BUILDING TRUST

PRODUCT DATA SHEET

EVERBUILD® ANCHORSET® GREEN 300

High performance Styrene Free chemical anchor

PRODUCT DESCRIPTION

EVERBUILD® ANCHORSET® GREEN 300 is a styrene free rapid curing chemical anchoring system designed for high strength fixing of railings, satellite dishes, signs, brackets and other fixtures which carry heavy loads. The unique EASY-FLOW technology of EVERBUILD® ANCHORSET® GREEN 300 means the twin bag system within the cartridge enables the product to be applied using a standard cartridge gun.

USES

- Fixing wall ties.
- Bolts and screws into a wide range of building substrates.
- Securing machinery into floors.
- Fixing studs and starter bars.
- Can be applied in dry, wet or flooded conditions.

CHARACTERISTICS / ADVANTAGES

- Easy mix twin bag system.
- Styrene free low odour.
- Apply using a standard sealant gun.
- Rapid curing system.

APPROVALS / STANDARDS

- ETA according ETAG 001 Part 1 & 5 Option 7 for anchoring of threaded bars into uncracked concrete
- ETA according to ETAG 029 for masonry installations
- Tested according to LEED 2009
- EQ c4.1, SCAQMD rule 1168 (2005)

PRODUCT INFORMATION

Packaging	300 ml Cartridges.
Shelf Life	Use within 12 months of date of manufacture.
Storage Conditions	Store in cool dry conditions between +5 °C and +25 °C out of direct sunlight.
Colour	Grey
Density	Mixed: 1.7 g/cm³

TECHNICAL INFORMATION

Compressive Strength	60 N/mm² 24 hrs 70 N/mm² 7 days (ASTM D695 @ 20 °C)
Tensile Strength	11.5 N/mm² 24 hours 12.2 N/mm² 7 days (ASTM D638 @ 20 °C)
Tensile Modulus of Elasticity	3.4 GN/m² 24 hours 4.5 GN/m² 7 days (ASTM D638 @ 20 °C)

Design Considerations

Anchor Size (mm)	Hole Diameter (mm)	Hole Depth (mm)	Min Concrete member thickness h_{min} (mm)	Chracteristic Tension load N_{RK}(kN)	Characteristic Shear Load V_{Rk}(kN)	Fixings Per Unit
8	10	64	100	16	≤2.5	85
10	12	80	110	19.8	≤2.0	58
12	14	96	126	33.2	≤2.5	38
16	18	128	158	48.2	-	23
20	22	160	190	69.4	-	12
24	26	192	222	102.9	-	8

APPLICATION INFORMATION

Mixing Ratio 10:1 by volume as supplied in cartridge

Curing Time

Temperature (°C)	Gel Time (Minutes)	Minimum Loading Time (Minutes)
>5	18	145
5-10	10	145
10-20	6	85
20-25	5	50
25-30	4	40
>30	4	35

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

- Do not use on non porous substrates i.e. metal, PVC.
- As the manufacturer cannot know all the uses their products may be put to, it is the user's responsibility to determine suitability for use. If in doubt, contact Technical Services department for advice.

ECOLOGY, HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Drill hole to the correct diameter and depth (see chart for guide), ideally using a rotary percussion machine. For optimum results the hole must be coarse sided. If the holes are produced by diamond drilling the surfaces should be thoroughly roughened. Remove all dust and debris from the hole using a hand air pump or a stiff rotary brush. All bars should be clean and free from oil or grease and all flaking rust should be removed. Threaded rod or studs should be chisel-ended to prevent them being unscrewed from the cured resin.

APPLICATION METHOD / TOOLS

Unscrew the lid and cut off the top of the bag under the metal clamp. Attach the mixing nozzle to the cartridge (screw down hand tight). Place cartridge into the dispensing gun. Gradually pressurise the Cartridge by activating the hand trigger a few times until material passes through the mixing nozzle and an even colour is obtained (approximately 13-15 cm (5-6 inches) of extruded material should be adequate). Once the desired fill is achieved release the pressure by pressing the slide release arm and pulling back the slide rail, wipe off excess material and insert the fixing slowly, with a rotating action, to the desired depth.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product

Data Sheet for the product concerned, copies of which will be supplied on request.

SIKA LIMITED
Watchmead
Welwyn Garden City
Hertfordshire, AL7 1BQ
Tel: 01707 394444
Web: www.sika.co.uk
Twitter: @SikaLimited