AB-SCHOMBURG YAPI KİMYASALLARI A.Ş.
19 Mayıs Mah. Turapoğlu Sok.
Hamdiye Yazgan İş Merk. No.4/8
34736 KOZYATAĞI - İSTANBUL
Tel : +90-216-302 71 31/-32
Fax : +90-216-302 70 01
e-mail : info@ab-schomburg.com.tr
Web : www.ab-schomburg.com.tr
Web : www.schomburg.com

AB-SCHOMBURG

K - Q TSE-ISO-EN 9000

Technical Data Sheet

BAYCOFABRİC

Special carbon, aramid or glass fiber fabric for structural strengthening

Description:
BAYCOFABRİC products are specially designed fabrics for structural engineering applications.

Areas of Application:
BAYCOFABRİC products can be used at every structural strengthening application;

- To increase the load bearing capacity of slab columns,
- To increase the load bearing capacity of bridges,
- To change the service goal of the structure and to adopt the structure for its new service,
- To change the service goal of the structure and to adopt the structure for its new service,
- To strengthen the structure if there is a reinforcement deficiency,
- To increase the ductility of columns,
- To lengthen the service life of the structure,
- To change the design of the structure after it has been constructed.

.

Properties/Advantages:
Application is simply done by fixing the material by BAYCODUR-1330 onto the desired area. Also, they can be used to form systems with BAYCOPLATE products.

- Can be used in every structural strengthening application.
- Can be applied without paying attention the surface shape.
- It has very low density therefore the product does not constitute high additional loads.

Technical Data:
Please refer to the technical data table.

Packaging:
All BAYCOFABRİC-C series products are delivered as 100 m. rolls, all BAYCOFABRİC-A series products are delivered as 50 m. rolls. BAYCOFABRIC-G product is delivered as 40 m. rolls.

Storage:
The storage time is unlimited under suitable conditions.

Surface Preparation:

- All loose and adhesion inhibitive particles should be removed from the surface. The pores of the surface should be open.
- Corroded reinforcement should be fixed and protected against corrosion with BAYCOCRET-KS/HB.
- The surface tensile strength must be >1,0 N/mm^2.

Product Preparation:
The product is ready to use.

Method of Application:
The product can be cut into desired proportions and shall never be wrapped! Edges, like column edges, shall be curved minimum 10 mm. At joints which are parallel to load bearing fibers, the product shall be overlapped min. 10 cm, at horizontal joints overlapping is not needed. According to the project, multiple layers can be required, if so joint places at different layers shall not be over each other. The product shall be fixed to surface using BAYCODUR-1330, epoxy adhesive. After the application, for esthetic needs or to protect the application, a cement base coating can be done.

Only apppropriate epoxy adhesive, BAYCODUR-1330, can be used. On concrete substrates, with respect to the surface conditions, BAYCODUR-1330 shall be applied with the consumption of 0,7-1,2 kg/m^2 as primer and first layer together. Then, the product shall be saturated to BAYCODUR-1330. At the layers following the first layer, the consumption is approx. 0,5 kg/m^2.

Cleaning: Clean the tools with appropriate cleaner right after the application.

BAYCOFABRİC

- BAYCOFABRİC-C TECHNICAL DATA (CARBON FIBER):

TYPE	WIDTH (cm)	THICKNESS (mm)	FIBER TEN. STRENG. (MPa)	FIBER ELASTICITY MODULUS (GPa)	ELON. AT BREAK (%)	AREAL WEIGHT (g/m^2)
BAYCOFABRİC-C150	50	0.086	4,900	230	2.1	150
BAYCOFABRİC-C230	50	0.013	4,900	230	2.1	230
BAYCOFABRİC-C300	50	0,166	4,900	230	2.1	300
BAYCOFABRİC-C450	50	0,255	4,800	230	2.1	450
BAYCOFABRİC-C530	50	0,293	4,900	230	2.1	530
BAYCOFABRİC-C600	50	0,293	4,900	230	2.1	610
*BAYCOFABRİC-C300/M	50	0,167	4,600	340	1.4	300

* This product has high elasticity modulus.

- BAYCOFABRİC-A (ARAMİD FIBER) and BAYCOFABRİC-G (GLASS FIBER) TECHNICAL DATA:

TYPE	WIDTH (cm)	THICK. (mm)	FIBER TEN. STRENG. (MPa)	ELON. AT BREAK (%)	FIBER STIFFNESS (GPa)	FABRIC TENSILE STRENG. (g/m^2)	FABRIC ELAS. MOD. (GPa)	AREAL WEIGHT (g/m^2)
BAYCOFABRİC-A280	30	0.194	3,200	2,4	120	2,060	118	280
BAYCOFABRİC-A415	30	0.288	3,200	2,4	120	2,060	118	415
BAYCOFABRİC-A623	30	0,433	3,200	2,4	120	2,060	118	623
BAYCOFABRİC-A830	30	0,576	3,200	2,4	120	2,060	118	830
BAYCOFABRİC-G930	50	0,360	2,300	3,1	76			