

Hand Lay-up

E-CR glass

3B E-CR glass is boron-free and presents significantly improved corrosion resistance across a wide range of aggressive environments.

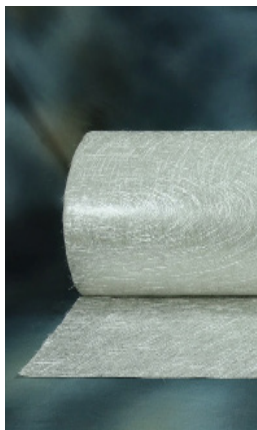
3B glass is E-CR according to ASTM D578 and ISO 2078. This translates into important benefits for end-users over traditional E-glass: longer service life, larger safety coefficients for the same design, and material savings.

Traditional E-glass includes boron and often contains added fluorides. By using new manufacturing technology to eliminate these components from the glass composition, 3B E-CR glass has become a benchmark for integrated pollution prevention and the highest energy efficiency – all in an optimized process.

3B measures its efforts and works continually to minimize its impact on the environment and to set new standards within the global fibreglass industry. This is our commitment.

EM 1011

Chopped Strand Mat (Emulsion) for Unsaturated Polyester, Vinylester & Epoxy Resins



Product Description

3B Chopped Strand Mat (CSM) is a non-woven mat made from 3B E-CR glass filaments, consisting of chopped fibres randomly and yet evenly orientated. The 50 mm length chopped fibres are coated with silane coupling agent and are held together using emulsion binder.

EM 1011 is particularly suitable for hand lay-up processes using thermoset resin systems to

manufacture a wide range of products for automotive, railway, recreation, chemical, electrical industries.

EM 1011 conforms to BS 14118 and IS 11551.

FEATURES	BENEFITS
Unsaturated Polyester, Vinylester and Epoxy compatible	Maximum flexibility on workshop with minimum inventory
Boron-free E-CR glass	Environment-friendly, offering high corrosion resistance
Quick resin impregnation	High productivity
Easy air removal	Good laminate surface
Excellent styrene solubility of binder	Fast wet-through and wet-out
Optimum resin pick-up	Cost savings
Excellent drapability	Suits easily the surface of intricate moulds
Excellent integrity of Mat	Easy handling and better appearance of finished product

EM 1011

Chopped Strand Mat (Emulsion) for Unsaturated Polyester, Vinylester & Epoxy Resins

PRODUCT CHARACTERISTICS

Density/GSM gm/sqm	Width cm	Roll weight (for 100 cm) kg	Solid content %	Moisture content %
225	50/100/125	30-40	5.0	Max 0.2
300	50/100/125	30-40	5.0	Max 0.2
450	50/100/125	30-40	4.0	Max 0.2
600	50/100/125	30-40	4.0	Max 0.2

Other densities and widths available upon request

PACKAGING

The 3B Chopped Strand Mat is wound on a hard paper core with an inside diameter of 77 mm and an external diameter of 83 mm. Rolls are wrapped in polyethylene bags and packed in corrugated cartons (27 cm x 27 cm) having standard length. A typical pallet of 110 cm x 110 cm contains 16 cartons placed on pallet and stretch wrapped with plastic film for protection. Mat is one/both side trimmed.

Each roll and pallet is identified by a label.

STORAGE

Vertical storage in a cool and dry warehouse into the original packaging is formally recommended. Ideal storage conditions are a temperature between 15°C & 35°C and a relative humidity comprised between 35% & 85%. If these conditions are maintained, the glass fibre product should not undergo significant changes when stored for extended periods of time. It is also strongly recommended to condition it in the workshop in a packed condition for at least 24 hours before use to prevent condensation. For an optimal processing we recommend to use the product in ambient conditions (20°C-30°C and a relative humidity of 60%-65%).



Customer Service India
Survey No 220, Village Colvale
Taluka, Bardez, Goa-403 513
India
P. +91 7038837967
3Bgoasales@3b-fibreglass.com

Customer Service Office
Rue de Maestricht 67
4651 Battice
Belgium
P. +32 87 692211
3B-thefibreglasscompany@3b-fibreglass.com

Disclaimer of Liability The data and information set forth in this publication is provided exclusively with the view to facilitating the selection of a product and/or service. The information contained in this publication is based on actual laboratory data and/or field test experience. We believe this information to be accurate, but do not guarantee in any manner its suitability to the user's process or assume any liability arising out of its use or performance. The user, by ordering the products and/or services described herein, agrees to be entirely responsible for thoroughly testing any application to determine its suitability before committing to production. It is key for the user to determine the properties of its own products and/or compounds when using a product and/or service herein described. We do not give any representation or warranty, express or implied, as to the accuracy or completeness of the data and information contained in this document, and shall have no liability to the user or any other person resulting from the use of or reliance on any such information. Further, we do not give any representation or warranty, express or implied, as to our products and/or services, including in respect of their merchantability and fitness for a particular purpose, and shall have no liability to the user or any other person resulting from the use of or reliance on any such products and/or services. Only those representations and warranties set forth in a supply agreement, when, as and if it is executed, and subject to such limitations and restrictions as may be set forth in such agreement, shall have any legal effect. Statements included in this document are not, and may not be construed as, representations or warranties or as inducements to infringe any patent or violate any law, safety code or insurance regulation. 3B reserves the right to modify the content of present document without notice and without incurring in any obligations.