

FTB

FTB GLASS FIBRE BARS

ART NR 20.250

GLASS FIBRE RODS FOR CONSTRUCTION

DESCRIPTION

GLASS FIBRE RODS ARE TOTALLY INERT, NON-CORROSIVE, ALKALI-RESISTANT, NON-CONDUCTIVE AND ONLY 1/4TH OF THE WEIGHT OF A STEEL ROD.

CONCERNING THEIR CHARACTERISTICS THEY ARE CLOSER TO WOOD THAN TO STEEL, AS FAR AS TENSILE E-MODULUS, EXPANSION AND SHRINKAGE ARE CONCERNED.

FTB GLASS FIBRE BARS ARE MADE OF GLASS FIBRES IMPREGNATED IN THERMOSETTING RESINS. IN ORDER TO IMPROVE ADHESION ON EPOXY, WOOD OR CONCRETE, THE OUTSIDE OF THE BAR IS DEFORMED AND COATED WITH COARSE SAND.

APPLICATION

TO MAKE CHARGEABLE CONNECTIONS, FOR REINFORCING WOODEN (AND CONCRETE) ELEMENTS AND FOR SECURING NATURAL STONE.

TYPICAL APPLICATIONS ARE THE REINFORCEMENTS AND/OR CONNECTIONS IN BEAMS, PURLINS, ROOF TIMBERS, DOORSTEPS, THRESHOLDS, COLUMNS, FRAME-SAWS, AND OTHER WOODEN CONSTRUCTIONS.

THEY CAN BE USED SPECIFICALLY FOR THE RESTORATION OF RAFTERS OR FOR MAKING PROSTHESIS AND CAN BE SECURED ALSO IN CONCRETE).

FTB GLASS FIBRE BARS CAN BE USED WITH FTB MULTI (ART. NR. 80.251) TO MAKE THE CONNECTION BETWEEN THE BAR AND THE ELEMENT OR BETWEEN ELEMENTS.

METHOD OF WORKING

SEE TECHNICAL DATA SHEET FTB Wood G.

CHARACTERISTICS

TENSILE E-MODULUS:	40,8 GPa
SINGLE SHEAR STRENGTH:	140 MPa
TENSILE STRENGTH (19 MM):	620 MPa
BOND STRENGTH:	11,6 MPa
THERMAL EXPANSION COEFFICIENT, TRANSVERSE:	21 - 23 10 ⁻⁶ /°C
DENSITY:	1,90 g/cm ³

CONDITIONING

THE GLASS FIBRE BARS HAVE A LENGTH OF 3 METERS. THEY ARE AVAILABLE IN THE FOLLOWING DIAMETERS: 9,5; 16 AND 19,5 MM. DIAMETER 19,5 MM IS MOSTLY USED FOR THE RESTORATION OF RAFTERS. GLASS FIBRE BARS CAN BE CUT AT DIMENSION WITH A GRINDING DISC.

GLASS FIBRE BARS CANNOT BE EXPOSED FOR A LONG TIME IN THE SUNLIGHT AND THEY HAVE TO BE STORED ON PALLETS.

PRECAUTIONS

IT IS RECOMMENDED TO WEAR WORKING GLOVES, A MASK AND SECURITY GLASSES DURING THE APPLICATION OF GLASS FIBRE BARS.

EPILOGUE

OUR TECHNICAL INFORMATION IS BASED ON OUR OWN EXPERIENCE AND IS GIVEN IN GOOD FAITH. WE GUARANTEE A CONSTANT QUALITY OF OUR PRODUCTS, BUT WE CANNOT ACCEPT ANY RESPONSIBILITY CONCERNING THEIR APPLICATION.