

GRC Specifications and mixing formulas

1. STANDARDS:

- British Standard BS 6432 : 1948
- Glass Reinforced Cement Association (GRCA) , GRCA S 0110
- American Society For Testing and Material (ASTM),
ASTM – C948-81
- Prestressed Concrete Institute. (Recommended practice for
Glass fiber reinforced concrete) third Edition 1993

2. RAW MATERIALS and mixing percentage:

- Alkali resistant glass fiber Europe Cem-Fil Or Japan Origin
(NEG) AR 2450 53/67 roving (3:5% of Total Weight)
- Clean dry and graded silica sand (48% of Total Weight)
- Ordinary (White) (48% of Total Weight)
- Water (18% of Total Weight)
- Super Plasticiser to improve mould filling (2% of Cement
Weight)

3. MANUFACTURE METHOD:

- Manufacture of GRC in Our Factory by hand – spray method
using 2 Lines of Spray Machines MK -8 from United -Kingdom.