4.10.3.2. Glass-reinforced plastic (GRP), also known as glass fibre reinforced plastic (GRFP) is a fibre reinforced polymer made of a plastic matrix reinforced with Glass Fibres.

4.10.4. Specific Requirements

4.10.4.1. GRP(GRFP) shall be constructed such that it meets the performance characteristics required as per ASTM D3841.

4.10.4.2. GRC/GRFC and GRP systems shall be certified and listed by a third party independent testing and Certification body, approved by Civil Defence.

4.10.4.3. GRC/GRFC and GRP systems shall be Marked/labeled to verify its certification mark from accredited certification laboratory.

4.10.4.4. The Base layers and core materials shall be tested separately and entire assembly including ornaments, trims and moldings' with intended thickness, joints, seams, fasteners and wall arrangement shall be tested in accordance with **Table 1.18.a.**

4.10.4.5. Where GRC/GRFC and GRP systems are installed on Fire rated or load bearing walls, the wall arrangement shall be tested in accordance with **Table 1.18.b.**

4.10.4.6. Reaction to Fire Testing of GRC/GRFS/GRP Products to EN13501-1 MUST include EN 13823 and EN ISO 11925 testing as a panel with the thickness and form of intended use, including consideration of air space behind the formed panel. Mounting on non-combustible substrates for the EN ISO 11925 test is not appropriate should the intended use not be reflected during reaction to fire testing.

4.10.5. Test Certification

4.10.5.1. GRC/GRFC and GRP panels and facade systems on non-fire resistance rated and non load bearing exterior wall coverings shall comply with **Table 1.18.a.**

4.10.5.2. GRC/GRFC and GRP panels and facade systems on fire resistance rated exterior wall assembly coverings shall comply with **Table 1.18b.**

4.10.6. Application

4.10.6.1. The occupancies and type of buildings that are allowed to have GRC/GRFC and GRP shall be in accordance with **Table 1.18.a.** and **Table 1.18.b.**