

PRODUCT NAME

FIBRE REINFORCED CEMENT

DATE CREATED

01/01/2021

LAST REVIEWED 10/02/2021

DESCRIPTION

QUICKWALL F.R.C. is totally inert, non-toxic and is classified as non-dangerous.

The polymer modified, fibre enhanced mineral composite is designed to increase mechanical, impact and abrasive strengths when plastered as a base coat to both external and internal surfaces.

Millions of alkali resistant fibres throughout the entire matrix of this special plaster composite impart amazing bond and high tensile strengths resulting in a dense coating with high adhesion and impact resistance suitable for a wide variety of substrates.

F.R.C. can be hand or machine applied and is enhanced with a special monomer additive, that forms throughout the entire matrix of the plaster composite.

Additional continuous monolithic mesh is used in conjunction with F.R.C. base coat over mortarless block construction, EPS and Zero Lot Line construction.

OTHER USES

- Set design work – movie industries.
- Re-surfacing fretting brickwork.
- Surfacing polystyrene foam.
- Excellent plaster for explosive storage bunker walls.
- High impact areas such as safety barriers, ocean pylons, mining applications to seal against gases and loose rock formations in shafts or open faced quarries.

SPECIAL FEATURES

- High compressive, tensile and MOR (modulus of rupture).
- Early high strengths.
- Is non-combustible.
- Excellent water permeability.
- Excellent permanent adhesion.
- Withstands freeze thaw conditions.

HOW IT WORKS

The spheres of polymer coalesce to form a continuous polymer matrix, which coats and encapsulate the cement particles, selected fillers, additives and aggregate grains. The polymer matrix acts as a barrier to maintain high levels of moisture for improving hydration of the cement and also provides a polymeric network, which enhances toughness and durability of the finished product. Because the polymer is incorporated as an emulsion in a surfactant a high density is achieved.

SPECIFICATION

1st Coat: Apply Quickwall **F.R.C.** in accordance to the manufacturer's specification.

2nd Coat: Apply Quickwall selected Finish.

3rd Coat: Apply recommended sealer or topcoat in accordance to the selected Finish.