The use of glass non-woven fabrics with cobalt polyester fluids In the production of partition walls and floors with high Resistance properties Dr. Tarek Ahmed Mahmoud Abd Alla Rashed

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Abstract

The problem of produce normally concrete is how this production is suitable suitable to Separated walls and grounds with good reinforced characters

This research **aims** to produce separated walls and grounds. The research studies the effect of deference layers of glass fabrics on strengths with deferent amount of polyester / cobalt liquids. Shedding light on the economic aspects after the proposed production operations.

This research produce three groups of samples:

- The first group: (samples of 1 kg polyester, added to ..) (3, 6, 9 layers of glass fibers)
- The Second group: (samples kg of polyester added to ..) (3, 6, 9 layers of glass fiber)
- The Third group: (samples kg of polyester added to ..) (3, 6, 9 layers of glass fibers)

Research results:

- The research confirmed that the sample (1 Kg polyester / 6 layers glass fabrics) is the best, in case of covering all sample area by polyester liquid inside and outside the glass fabric layers
- The research confirmed that the sample (1 Kg polyester / 3 layers glass fabrics) is the best, in case of covering all sample area by polyester liquid inside and outside the glass fabric layers
- The research confirmed that the sample (1 Kg polyester / 9 layers glass fabrics) is the best , in case of covering all sample area by polyester liquid partially inside and holly outside the glass fabric layers .
- The research confirmed that the sample (1 Kg polyester / 9 layers glass fabrics) is the best, in case of covering all sample area by polyester liquid partially inside and holly outside the glass fabric layers.
- * The researcher believes that the First sample in the third group (½ kg cobalt polyester / 3 layers of glass fibers) is considered the best sample due to its great advantage in stress, pressure, bending and stiffness. Considering the less glass fiber and the less cobalt polyester . it is considered economically sample.

Key Words:

Glass fiber - polyester - partition walls - floors

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