

## دراسة تأثير التشريب فى الخيوط المزوية لنسيج الأرضية للأقمشة الوبرية على الخواص الطبيعية والميكانيكية .

### Study of the effect of the impregnation of the twisted yarns of the terrestrial fabric of the base fabrics on natural and mechanical properties.

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#### Abstract:

The need has recently increased for the land-based fabrics (towels), as they represent a broad sector of textile production sectors, which are of great importance and distinctive in covering many of the dimensions used by consumers.

The research is therefore intended to identify the different impregnation rates resulting from the use of syntactic threads in the terrestrial fabric of the Earth's fabrics and the spinning method of its specifications make it of great value and importance among other types and methods of different yarn and using different combined forces as well as the number Different units in the unit of measurement and the effect of these variables on the natural and mechanical properties to be available in these types of fabrics such as power tensile and shrinking are the qualities to be highly available in these fabrics due to their daily and iterative uses.

As well as the production of fabrics and land in the way of the carpet from the yarn of the ring method with the best number of units in the unit measurement and also the combined force used to produce the data while preserving the natural and mechanical properties that I find available.

The production of the various types of drying fabrics has been closely linked to cotton ore, as it is one of the most raw materials that meet the functional requirements of these fabrics, from absorption of liquids, moisture, durability when wet, and appropriate properties of skin friction, and also withstand a lot of stress Various processes in washing and frequent daily use, the chromatic persistence of dyes with frequent washing, and friction when used.

The search has reached:-

- There is a strong correlation between the impregnation of the threads and the natural and mechanical properties in the wild fabrics.
- There is a correlation between the percentage of coyotes and the number of intersections caused by the tissue process as a result of the different combined strength used.
- The higher the number of units in the unit of measurement, the higher the proportion of the threads.
- The production of fabrics and land in the form of a method of yarn from a spinning thread with the best number of units in the unit of measure and also the combined force used.