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EFFECT OF FLUOROCARBON BASED WATER REPELLENT FINISHES ON PERFORMANCE OF DURRIES

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ABSTRACT

The effect of two types of water repellent chemicals on cotton, cotton: polyester and wool: jute durries has been reported in this paper. To evaluate the performance of water repellent finishes, Cotton100%, Cotton 75%: Polyester25% and Wool 67%: Jute33% durries were treated with two types of fluorocarbon-based water repellent finishes at different concentrations, 20 gpl, 40 gpl, and 60 gpl. The levels of water repellency of the fabrics were assessed by AATCC Test Method 22-2017(spray rating test method). The durability of finishes against washing was also studied. The results showed that water repellent properties of the cotton, cotton polyester, and wool jute durries depend upon on the type of water repellent finish and its concentration.

KEYWORDS: *Water Repellency, Fluorocarbon Based Finish, Durries, Concentration, Abrasion Resistance, Weight*