

169
169

Fatliquor from deresinified pungam oil

Pungam oil contains resinous matter to the extent of 15-20%. The resin is an impediment to normal sulphation. The sulphation in such instances has to be carried out at higher temperature of 30-35°C and increasing the stirring during sulphation. Such approach is beneficial in dispersing the resin which might also undergo sulphation/sulphonation during the sulphation. The resin thus dispersed might contribute its own properties to the leather.

Hence the oil was deresinified by acidification. The deresinified oil was sulphated and used in fatliquoring of leather for knowing the fatliquoring property of deresinified oil-based product. The deresinified oil was also transesterified with a polyol and thus sulphated for use in fatliquoring of leathers.

Fatliquoring trials

Chrome tanned goat skins (5 nos) were neutralised and fatliquored with 4% of the product. The fatliquored leathers were set, dried and crusted. Fatliquored characteristics of the leathers were assessed.

It was observed that the leathers fatliquored with deresinified oil-based fatliquor was more soft as compared to that fatliquored with the sulphated oil of non deresinified oil. The leather fatliquored with the sulphated product of deresinified and transesterified oil is, in addition, has wet feel.

The results show that fatliquor of deresinified oil is a good fatliquor for glace kid and softer uppers.

CLRI, Madras, }

August 16, 1974 }

E. C. MATHEW
K. J. KEDLAYA
J. B. RAO
M. SANTAPPA