

DEROBATE LIQUID

Liquid bating agent based on selected microbial proteases free of ammonium ions designed to suit the needs of all type of leather manufacturing. Working in a wide alkali pH range it provides improved area yield. More relaxed but stronger and more elastic leathers are obtained. Concentration 10,000 LVU/g.

Descriptive properties

- Appearance :** Brown liquid
pH optimum : pH 7,0 - 11,0 (optimum 8,2 - 8,8)
Activity : 2500 ± 125 LVU/g
Storage : Minimum 1 year - dry storage-

Derobate LIQUID is a first quality bate produced by high technology and has a very wide range of applications due to its special formulation. The product is based on bacterial proteases standardized in liquid form and does not contain any inert ingredient nor ammonium salts. It provides increased open-up in fiber structure and cleaner grain surfaces. By its use along with improved area yield, increased tear strength and therefore increased resistance to mechanical operations are obtained.

Its liquid form makes the product highly suitable for use in dosing machines, it promptly disperses in the bath. Derobate LIQUID completely solubilizes the degraded protein forms, and removes the interfibrillary protein and proteoglycans which cover the collagen fibrils. As a result more relaxed but stronger and more elastic leathers are obtained.

Derobate LIQUID is strongly recommended for the double face manufacture and where bating follows thorough delimiting. It works between pH 7,0 and 9,5 and can also be used in cold baths.

Application recipes

For an optimum area yield before bating operation a preliminary delimiting of the skins and hides with a proper delimiting agent like Defetcal DK-29 is necessary. Best results are obtained when working at 38°C bath temperature. Depending upon the raw material and the processing conditions the optimum dose changes between (as a guide on pelt weight):

For sheep and light weight calf skins after delimiting: 0,25 - 0,70 % Derobate LIQUID, mean processing time 25 - 45 minutes.

For garment calf and cow skins after complete delimiting: 0,6 - 1,2% Derobate LIQUID, mean processing time 90 -120 minutes.

For goat skins after delimiting: 0,2 - 0,8 % Derobate LIQUID, mean processing time 50 minutes.

For upper leather cow and calf skins after delimiting: 0,2 - 0,6 % Derobate LIQUID, mean processing time 30 - 45 minutes.

In double face manufacture: in the degreasing bath, by soda ash addition pH is adjusted to pH 8,2 - 8,8 and then 0,2 - 0,8 g/l Derobate LIQUID is added, the processing time depends on the effect required.

Packaging

35 kg in polypropylene drums.