

DEROBATE DK-1180

Bating agent based on selected microbial proteases designed to suit the needs of all type of leather manufacturing. Working in a wider alkali pH range and even in cold baths, it provides improved area yield. More relaxed but stronger and more elastic leathers are obtained.

Descriptive properties

Appearance	: Light to dark beige, fine powder
pH optimum	: pH 7,0 - 11,0 (optimum 8,2 - 8,8)
Activity	: 1000 ± 50 LVU/g
Storage	: Minimum 1 year - dry storage-

Derobate DK-1180 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 and buffered with special deliming salts and effective mineral carriers. Derobate DK-1180 provides increased open-up in fiber structure and cleaner grain surfaces. By the use of Derobate DK-1180 along with improved area yield, increased tear strength and therefore increased resistance to mechanical operations are obtained.

Derobate DK-1180 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.

Application recipes

For an optimum area yield before bating operation a preliminary deliming of the skins and hides with a proper deliming agent like Defetcal DK-29 is advised. Best results are obtained when working at 38°C bath temperature. However the product works very good at lower bath temperatures as well. 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 deliming: 0,6 - 1,5 % Derobate DK-1180, mean processing time 25 - 45 minutes.

For garment calf and cow skins after complete deliming: 1,4 - 3,0 % Derobate DK-1180, mean processing time 90 - 120 minutes.

For goat skins after deliming: 0,6 - 2,0% Derobate DK-1180, mean processing time 50 minutes.

For upper leather cow and calf skins after deliming: 0,6 - 1.4% Derobate DK-1180, mean processing time 30 minutes.

In double face manufacture: In the degreasing bath, by soda ash addition pH is adjusted to pH 8,2 and then 0,4 - 2,0 g/l Derobate DK-1180 is added, the processing time depends on the effect required.

Packaging

25 kg in kraft bags.