

## **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 googd 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.

The information given in this technical leaflet is offered in good faith and is based upon our knowledge and experience of the products used. The suitability of the products mentioned to obtain specific properties or effects are given without obligation or guarantee and should be fully tested by the end user and adapted to suit prevailing works conditions or other products which may be employed.





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