

Tankrom® AB

Basic Chromium Sulphate



Tankrom AB is an inorganically reduced (with SO₂) conventional basic chromium sulphate complex, in powder form.

Owing to strong sulphate masking, **Tankrom AB** is at anionic character which is important for the quality of the product. Thus,

- Accelerates chromium penetration.
- As a result of fast and irregular basification, possibility of appearance of irregular chromium oxide distribution on the cross section and the grain of the leather is prevented by anionic character of **Tankrom AB**.

When **Tankrom AB** is used in powder form, it is at anionic character (negative charged) and penetrates into the pelt without interaction with negatively charged groups of collagen. Anionic character is gradually transformed into cationic character. During this transformation, chromium complexes are fixed to the carboxyl groups of collagen. Fixation is accelerated and completed by basification.

TECHNICAL PROPERTIES

	Chromium Oxide Content (Cr ₂ O ₃ %) :	25.5
Schorlemmer Basicity (%)	:	33.0
pH (10% solution)	:	3.0

APPLICATION

Tankrom AB is readily soluble even in cold water and should be used in powder form. In main tanning and retanning, **Tankrom AB** can be applied to all kinds of leather and is used **6-10%** on pelt weight for pickled **hide and skin** and **15-25 g/L** for pickled **double-face (fur)**.

For successful chrome tanning, some tanning conditions such as bath length, bath temperature, basification and tanning time are important besides the type and amount of basic chromium sulphate used.



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Some of our advices are as follows:

- Low bath length should be preferred as much as possible, in order to accelerate penetration and to raise final temperature and chrome exhaustion.
- Since penetration is encouraged by low bath temperature; starting temperature of tanning should be 15-20°C and temperature should be raised gradually to 35-40°C at the end of the chrome tanning by mechanical action or heating system of the drum.
- Depending on the type and thickness of hide, basification should start within 30-90 minutes and should be completed before the 4 th hour of chrome tanning. Thus, maximum chromium oxide exhaustion and homogeneous chrome distribution is obtained.
- If sodium bicarbonate is used for basification process, since it has strong alkaline character, it should be diluted at least at the rate of 1/10 in cold water and should be added slowly in small portions into the tanning bath. Using magnesium oxide based basification agent in basification process offers some advantages for standardization and ease of basification.
- Chrome tanning time should be at least 8 hours for high chrome exhaustion. After the end of that time, as no special supervision is required, the chrome tannage may be allowed to proceed automatically during evening and night hours.
- Drum can be drained, after checking pH value of bath and wet-blue.

PACKAGING

- 25 kg inner layer polyethylene, outer layer polypropylene woven bags; palletized, shrink wrapped.
- 25 kg multi layer paper bags with laminated inside, palletized, shrink wrapped.

STORAGE CONDITIONS

Store in cool and dry places. Keep away from sunlight and heat sources.

SAFETY PRECAUTIONS

Harmful effect on skin and eye. After contact with skin and eye wash immediately with water. Avoid breathing the dust.

Data given are indicative and represent only the average results of our analysis.



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ŞİŞECAM is an establishment of TÜRKİYE İŞ BANKASI.

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