

Tankrom® FS

Basic Chromium Sulphate
with High Basicity



Tankrom FS is 42% basicity, alkaline free, weakly organically masked and homogeneous powder basic chromium sulphate. **Tankrom FS** is readily soluble even in cold water and short float.

Owing to additional organic masking, **Tankrom FS** has a good buffering effect.

Organically masking characteristic of **Tankrom FS** offers the following benefits:

- Resistance to sudden pH fluctuations during basification. Thus, **Tankrom FS** renders uniform chromium oxide distribution on the cross section and the grain of the wet- blue.
- **Tankrom® FS** prevents overbasification of the grain. Thus, color and fullness differences are eliminated.

TECHNICAL PROPERTIES

Chromium Oxide Content (Cr ₂ O ₃ %) :	24.0
Schorlemmer Basicity (%) :	42.0
pH (10% solution) :	3.5

APPLICATION

Tankrom FS can be safely used in main tanning and retanning with its high penetration and exhaustion characteristics.

Tankrom FS is added directly into the drum in powder form and can be dissolved properly in cold water.

Tankrom FS is advised to be used **6-10%** on pelt weight for **hide and skin** and **15-25 g/L** for **double-face (fur)** in **main tanning**.

Tankrom FS is advised to be used **2-6%** on shaved weight for **hide and skin** and **5-10 g/L** for **double-face (fur)** in **retanning process**.

2 or 3 hours of tanning with light sodium formate basification is sufficient in retanning at 40-45°C bath temperature.



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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.

