

MERPIN 8020

Basifying agent

Base: special magnesium oxide composition

Appearance: light-beige powder

FIELD OF APPLICATION:

MERPIN 8020 is used for the basification of mineral- and wet-white tannages as well as for the retanning. It can also be employed for pH-adjustment in the soaking.

QUANTITIES TO APPLY:

Chrome tannage:

0,4 - 0,8 % MERPIN 8020, based on the pelt weight

The dosage of MERPIN 8020 depends on the pickle time and final pH, the used amount and basicity of chromium oxide, the duration of the tanning, temperature and float length etc.

The following rule-of-thumb applies:

1kg calcinated Soda (Na_2CO_3)- 0,38 kg Merpin 8020

1kg sodium bicarbonate (NaHCO_3)-0,24 kg Merpin 8020

MODE OF APPLICATION:

MERPIN 8020 should be added to the chrome tanning float after complete penetration of the chromium tanning agent. Generally, the MERPIN 8020 is added 60 to 180 minutes after the addition of the chrome tanning agent, depending on the pelt thickness.

The application of 0,3 - 0,4 % sodium formate 30 minutes before adding the MERPIN 8020 is recommended.

STORAGE HINT:

The MERPIN 8020 is highly hygroscopic and it is of particular importance that it must be stored in a cool and absolutely dry place.

APPLICATION SAMPLE:

Splitted cow pelts 3,0 mm:

The pelts should be throughdelimited
cut: colourless against Phenolphtaleine

Pickle and chrome-tannage

	<u>Runtime</u>
50 % water 22°C	
8,0 % common salt min 7° Bé	10 minutes
0,7 % formic acid 85 % (1:5 diluted)	20 minutes
0,8 % sulphuric acid 96 % (1:10 diluted) pH-value float: 2,8 - 3,0	3 hours
7,0 % chrome tanning agent (26 % Cr ₂ O ₃)	
0,2 % MERPIN 8005 (1:10 diluted)	60 minutes
0,3 % sodium formate pH-value float: 2,8 - 3,0	60 minutes
0,4-0,5 % MERPIN 8020 pH-value float: 3,8-4,0	6 hours

WHEN APPLIED FOR PH-ADJUSTMENT IN THE SOAKING:

MODE OF ACTION:

MERPIN 8020 dissolves slowly in the soaking float. There is only enough quantity of alkali set free which is necessary to keep the pH-value stable on the whole duration of the soak.

By avoiding strong pH-peaks, a uniform soaking is obtained. Generally, even when MERPIN 8020 is used in the soaking, the swelling of the pelts and the hide draw are reduced.

The risk of causing burns, which occurs, when e.g. sodium carbonate comes in direct contact with the hide material, is eliminated, when MERPIN 8020, instead of sodium carbonate, is used.

APPLICATION:

MERPIN 8020 is used to adjust the pH in the main soaking and to slowly increase the pH in the immunization phase of a hair-save process.

QUANTITIES TO USE:

Main soaking (cow hides):

0,2 - 0,4 % MERPIN 8020, based on the salted- or green weight.
The pH-value at the end of the soaking should be about 9,5 - 10.

The dosage of MERPIN 8020 depends on the predicted soaking time, the condition of the raw material, the float length etc.

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