

LEATHER AUXILIARIES

SINCAL MS

Levelling agent for the dyeing
of all leather types

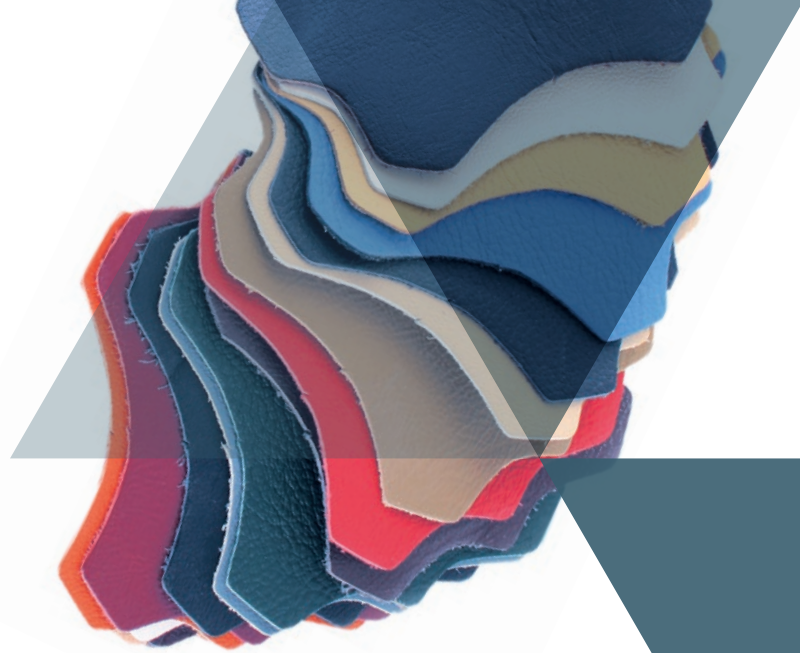


ZSCHIMMER & SCHWARZ

SINCAL MS

Levelling agent for the dyeing of all leather types

SINCAL MS is a highly effective penetrating and levelling agent which can be used to dye all kinds of leather. It disperses dyestuff molecules and reduces the absorptive behaviour of dyestuffs. Therefore, the penetration of the dyestuffs into the leather is accelerated and the levelness of the dyeing is substantially improved. When dyestuff mixtures are used, the shade of the colour will not change. In most cases, the application of ammonia will become redundant when SINCAL MS is used, so the quantity of ammonium salts in the wastewater is reduced significantly. Due to its good wetting and dispersing effects, SINCAL MS can also be used for the rewetting of wet blue and crust leather.



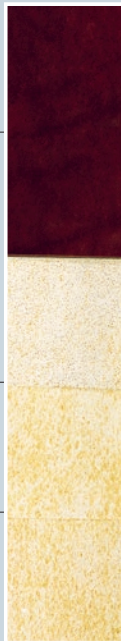
BENEFITS

- ▶ Excellent improvement of the levelness of the leather dyeing of double face and similar material
- ▶ Good wetting and dispersing effect
- ▶ Very well suited to wet back crusted material

ON SINGLE DYE

SINCAL MS

without auxiliary



grain layer

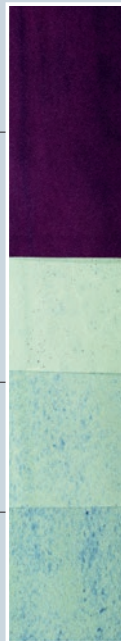
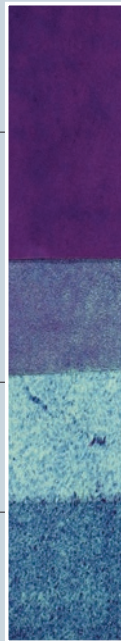
middle split

flesh side

ON DYESTUFF MIXTURE

SINCAL MS

without auxiliary



QUANTITIES FOR EACH TRIAL ON SHAVED WEIGHT

Neutralisation pH: 4.8/5.0

1% SINCAL MS ▶ 5 minutes

+ 2.5% anionic dyestuff ▶ 40 minutes

+ x% formic acid ▶ 20 minutes

The pictures demonstrate the effect of SINCAL MS. Leather was dyed under the same conditions with and without SINCAL MS. The cross section analysis clearly shows a more regular and deeper dye penetration when SINCAL MS is applied.