

Hangers – Conclusions

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1 Alun

No difference in colour from warm and cold mordants.

Alun 10% and Alun 5% same colour.

Alun 2% , 1% , 0,5% same colour , but slightly weaker colour than 10% and 5%

Recommendation/ conclusion : 5% alun mordant works for both warm and cold mordant

2 Tin

Warm mordant yarn slightly darker than cold mordant yarn

Warm mordant :

(tin 2% + citricacid 10%) and (tin 2% + citricacid 5%) and (tin 1% + citricacid 5%) same colour

(tin 0.5% + citricacid 5%) slightly weaker colour

Cold mordant :

(tin 2% + citricacid 10%) and (tin 2% + citricacid 5% same colour

(tin 1% + citricacid 5%) and (tin 0.5% + citricacid 5%) slightly weaker colour

Recommendation/ conclusion : both warm and cold mordants work , but warm mordant gives a little darker colours. Amount: tin 1-2% + 5% citricacid

3Cu

No difference between warm and cold mordants

The colour gradually becomes weaker from 10% to 5% to 2% to 1% to 0.5%

Recommendation/conclusion : amount 5-10%

4 Fe

Cold mordant gives a little darker colour than warm mordant, and a more uneven colour

For both warm and cold mordant no difference in colour from 10% and 5%

Fe 2% - Fe 1% - Fe 0.5% gradually weaker colours

Recommendation/conclusion : Both warm and cold mordants work. Amount 5% is enough.

5 Fe, Ci , Glauber

Warm mordant slightly darker than cold mordant.

All concentrations almost the same colour.

Recommendation/conclusion : when adding citric acid + glaubersalt you get a weaker colour than when using iron alone ,and a more even colour. Seems that concentrations of 1% iron works

6 Fe , Ci

Weaker colour compared to using iron alone

Warm mordant stronger colour than cold mordant

All concentrations gives same colour

Recommendation/conclusion: concentrations of 1% iron works when citric acid is added.