

PROCION MX DYEBATH METHOD

PROCION MX DYES are reactive dyes used to dye COTTON, SILK & RAYON. They are used in cold water (25-30°C) and therefore can be dyed in a variety of containers (i.e. plastic bucket, laundry trough). Make sure there is plenty of space in the container to cover article with enough water to be able to move/stir article while in the dyebath, this promotes even dyeings.

Liquor ratio is 15-20 litres of water to 1kg dry weight of goods to be dyed, this may be varied if necessary.

The dyeing method involves the addition of DYE, SALT & SODA ASH to the dyebath. This is done in the same dyebath and takes from 40 to 20 minutes depending on the depth of shade. This thorough method is recommended when trying to achieve even dyeing, particularly in heavy shades.

DYEBATH ADDITIONS : PER/LITRE OF DYEBATH

25-60gms of COMMON or GLAUBER SALT
(25g/Pale Shades, 60g/Dark Shades)
5-10gms of SODA ASH (5g/Pale, 10g Dark Shade)
DYE: Calculated on depth of shade.
WATER: Approx 20:1 Liquor Ratio
SODA ASH should be reduced by half if dyeing silk or wool. The addition of a wetting agent will help promote more even dyeings.

CALCULATE DEPTH OF SHADE

FULL SHADE = 5% COLOURS, 6-8% NAVY
10-12% BLACK.
PALE SHADE = 0.5 - 1%

5% Full Shade for
500g of Fabric is = 25g of DYE
1Kg of Fabric is = 50g of DYE

DYEBATH METHOD:

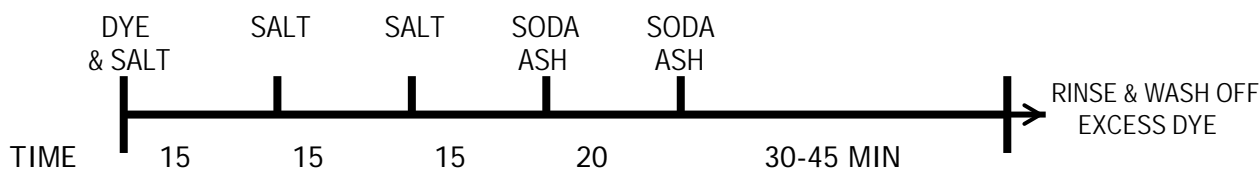
Make up dyebath with enough water to just cover fabric. Dissolve DYE in warm water. Calculate the SALT and SODA ASH you will need. Dissolve each separately in HOT water. Add DYE SOLUTION to the dyebath with one third of the SALT SOLUTION, making sure they are both properly dissolved and evenly distributed in dyebath, then add fabric, (preferably wet). Add the remaining two portions of SALT at 10-15 minute intervals, stirring well after each addition and regularly in between.

When you are satisfied with the depth of shade, (remembering that cotton and silk are much darker wet than dry) the dyeing is ready for fixation. This is achieved by adding the SODA ASH SOLUTION as you have done with the salt. This should be done in two intervals, one tenth (approx.) of the Soda Ash Solution initially and the rest 15-20 minutes later. AS WITH THE SALT REQUIREMENT THE SODA ASH MAY BE ADDED IN ONE PORTION. BUT A MORE EVEN DYEING WILL BE ACHIEVED WITH THE ABOVE METHOD. Once again, stir regularly. After 40-60 minutes, fixation should be complete.

ALL OF THE SALT REQUIREMENT MAY BE ADDED AT THE BEGINNING, BUT A MORE EVEN DYEING WILL BE ACHIEVED WITH THE ABOVE METHOD. Continue dyeing for 10-15 minutes after the first salt addition.

Remove fabric and rinse well first in cold water, then HOT soapy water. Finally, rinse in warm water until it runs clear. Wash article on its own the first few times. Rinse in Dynazol Washoff to thoroughly remove unfixed dye. (Refer to Dynazol instructions.)

DYEBATH ADDITIONS & TIME CHART



SAFETY DIRECTIONS: AS WITH ALL DYES AND CHEMICALS - AVOID INGESTION, INHALATION, EYE & SKIN CONTACT. KEEP OUT OF REACH OF CHILDREN. If swallowed DO NOT induce vomiting. Rinse mouth with of water, give plenty of milk or water, Seek Medical Advice. This class of dye generally has LOW ORAL TOXICITY, but some colours may cause respiratory and/or skin sensitisation/irritation, always handle with care. Avoid contamination of drains & waterways.