

Core Veneer Colouring Additive for Plywood

This product imparts different colour shades to the plywood surfaces which gives aesthetic look to the Furniture. It is not a big challenge to generate colourful plywood surfaces with eye soothing shade. Real challenge comes when core veneer of a plywood needs to be coloured and colouring material to be penetrated thoroughly inside the veneer. Keeping this in mind, our R&D team has developed a product which not only provides colour to the outer surface of veneers but also enables complete colour penetration throughout the cross-section of the veneer. This in turn gives similar colour on the surface and core veneer as well as Ply is broken or cut mechanically during the manufacture of Furniture.

Product Description

V-Col 25, a coloring additive specifically developed to color veneers for customized application. The product effectively penetrates through the veneer and therefore imparts color to both surface and core of veneers used in plywood industry. Most interestingly, applying this additive yields gurjan like appearance to regular veneers like lambu, safeda, mango, kadam, shimul etc.

Features

The product effectively penetrates through core veneers. Highly stable product with long shelf life. Easily soluble in water, leaves no residue. No hazardous chemicals in the formulation.

Typical Properties

Appearance	: Reddish brown crystalline powder.
Appearance of 2.0°10 w/v solution in water	: Dark brown solution
pH of 2.0°10 w/v solution in water	: 7.0 – 9.0

Application Parameters

Concentration of V-Col 25 bath: 2.0 - 3.0% w/v in water

Temperature of bath:	80 - 90 °C
Time of immersion Diluent:	Min 3 hours
Substance:	Raw Veneer

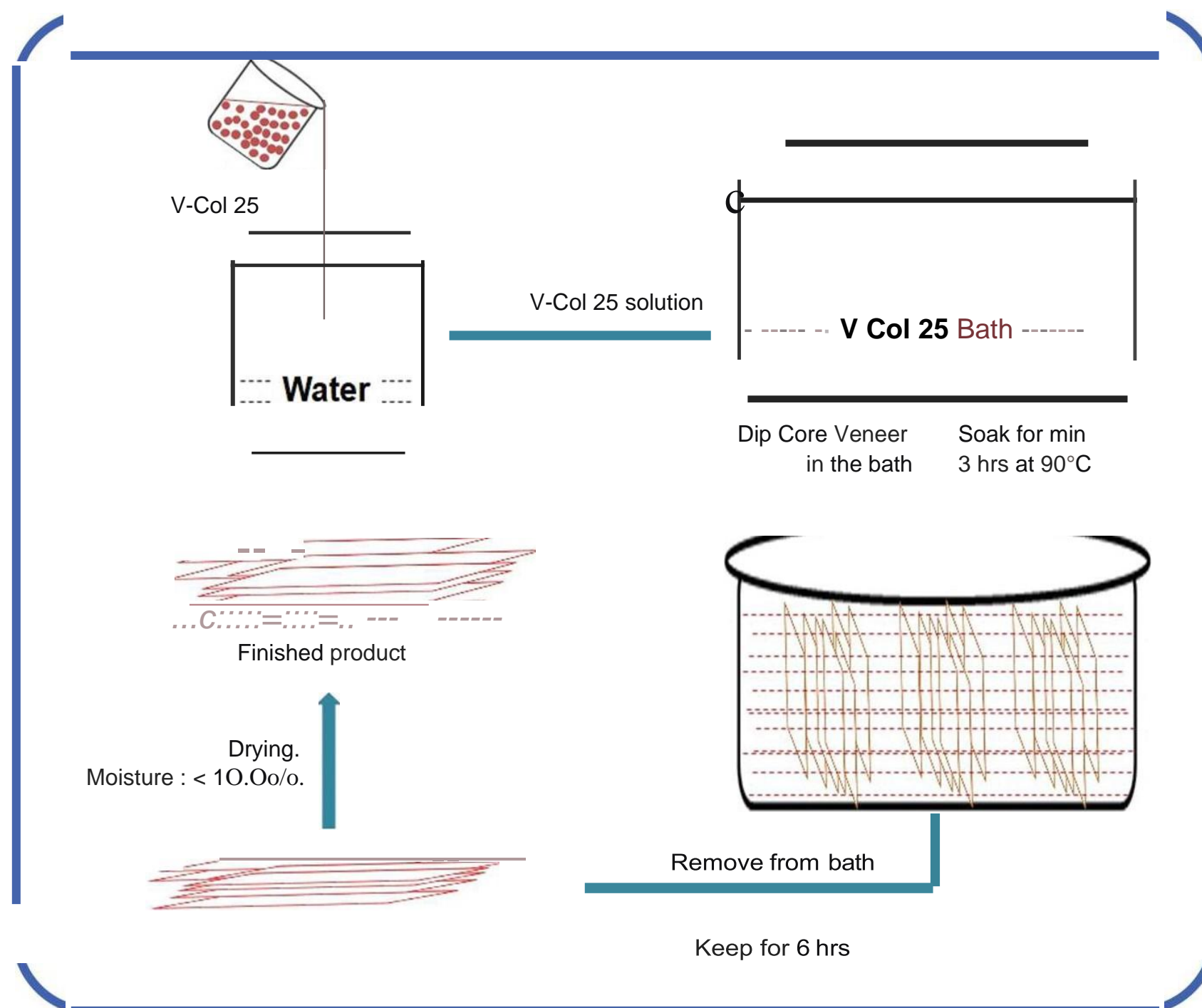
Storage

Store in a dry, cold place. Product is effective for at least one year if sealed properly at ambient temperature in supplied packing.

Application

The following application procedure to be followed for optimum result:

1. Prepare V-Col 25 solution in mixing vessel containing water under stirring condition.
2. Stir the mixture for 30 min at - 20 rpm in mixing tank.
3. Transfer the solution to the treatment bath.
4. Heat up the V-Col 25 solution at 80-90 °C
5. Dip the veneers in hot V-Col 25 solution vertically for min 3 hrs.
6. Remove veneers from bath.
7. Keep the soaked veneers for 6 hrs.
8. Dry in tray drier or in conveyer belt as per standard procedure.
9. Moisture content of dried core veneers should be less than 10%o



Scheme

Schematic representation of V-Col 25