

WS11
SOLVEN-BORNE 3-LAYER SYSTEM FOR EXTERIOR WOODEN SURFACES

PINJASOL COLOR	292 7523
MERIT JAHTI 20	005 0090
MERIT JAHTI 80	005 0091

Solvent borne system WS11 is translucent lacquer system for exterior wooden windows, doors, garden furniture etc. The total dry film thickness of this system is over 90 µm. For exterior use tinted coloured products are recommended in order to improve uv-resistance of the system. It recommended to use Merit Jahti 80 as priming lacquer before Meri Jahti 20 top lacquer.

Pinjasol Color is solvent borne wood stain. Pinjasol penetrates deeply in to the wood pores and reduces swelling of the wood. Pinjasol Color can be tinted with Temaspeed Premium colourants.

Merit Jahti is one component solvent borne urethane-alkyd lacquer for interior and exterior application. The lacquer has excellent resistance against abrasion, chemicals and cleaning detergents as well as good scratch resistance. It also contains efficient UV-absorber to protect wood from yellowing. Merit Jahti can be tinted with Temaspeed Premium colourants.

3-layer system for exterior wooden windows, doors etc. –gloss 20 or 80

Treatment	Product	Application method	Wet film thickness
1x priming	Pinjasol Color	Dipping, spraying,	60-100 µm
1x Lacquering	Merit Jahti 80	Spraying	80-120 µm
1x Lacquering	Merit Jahti 20, 80	Spraying	80-120 µm

PRODUCT PROPERTIES

Solid Content	11 volume-%	(292 7523)
	49 volume-%	(005 0090)

Drying time	Recoatable 20°C	
	292 7523	6-24 h
	005 0090	6-24 h

Gloss	Semi-matt	(005 0090)
	Glossy	(005 0091)

Application methods	Pinjasol Color	Dipping, spraying
	Merit Jahti	Spraying

Thinner	Pinjasol Color	Thinner 1050
	Merit Jahti	Thinner 1050

Cleaning of equipment	Thinner 1050, 1027 or 1033
------------------------------	----------------------------

Colours	Semi-transparent wood finishes color card
----------------	---

SURFACE PREPARATION	The wood has to be clean and dry. The relative humidity of wood has to be under 20 %.
APPLICATION CONDITIONS	During application and drying the temperature of the air, paint and surface should be at least +18 °C. The relative humidity should not exceed 70 %. Best drying conditions are in 20-40 °C temperature, relative humidity 50-70 % and good ventilation is needed.
APPLICATION	<p>Stir the Pinjasol Color well and thin with thinner 1050 if necessary. The proper application viscosity is 10-13 s (Din4). Apply Pinjasol Color and check that it covers all the surfaces. Let the Pinjasol Color dry. In normal conditions when temperature is 20 -30°C the drying time is about 6-24 hours depending of colour shade.</p> <p>Stir the Merit Jahti well and thin the lacquer 20-40 % with thinner 1050 to improve the penetration of the lacquer. Spray the lacquer wet film thickness about 80-125 µm. Let the Merit Jahti dry. In normal conditions when temperature is 20 -30°C the drying time is about 6-24 hours.</p> <p>The right nozzle size is 0,009 - 0,013" and angle 20 or 40 and the spraying distance from object about 20-25 cm.</p> <p>Sand the surfaces carefully with sanding paper 320 or 400 and remove sanding dust.</p> <p>For top lacquering thin the lacquer about 0-20 % with thinner 1050. Spray the lacquer wet film thickness about 80-125 µm. Let the Merit Jahti dry. In normal conditions when temperature is 20 -30°C the drying time is minimum 24 hours.</p> <p>Let the pieces dry in vertical position so that the lacquered surfaces touch as less as possible to each other. Between the pieces can be placed for instance cardboard or foam plastic to prevent the damages. The temperature must be under 30 °C during the storage of the pieces.</p>
WARRANTY OF QUALITY	<p>Tikkurila Oyj has designed this application technology and painting system to have a maintenance interval of minimum 5 years if conditions of wooden construction materials are checked annually and possible damages fixed according to the maintenance instructions.</p> <p>These products are tested in Tikkurila R&D laboratory and exterior test field. Long experience of the exterior use has shown that these products are suitable for painting of exterior wooden construction materials. Maintenance interval is a rough estimate, as it depends on the structural features, weather conditions, the geographic location and orientation of the objects.</p> <p>Check the lacquer surfaces every year and relacquer scratches or other damages according following instructions.</p>
MAINTENANCE	Wash down the surface with Maalipesu Cleaning Agent and rinse carefully with water. Remove old loose lacquer with scraper. Sand down surface and remove the sanding dust. Stir Merit Jahti or Unica Super well before use. Apply evenly 1-2 coats of lacquer. Sand down lightly between each coat.

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

The product is intended for professional use only and shall only be used by professionals who have sufficient knowledge and expertise on the proper use of the product. The information above is advisory only. To the extent permitted by applicable law, we shall not approve of any liability for the conditions under which the product is being used or for the use or application of the product.

In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.