

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

Pinjasol Color	292 7523
Pinjasol	005 0840
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 and Pinjasol are solvent borne wood stains. 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 polyurethane 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 or Pinjasol	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)
	8 volume-%	(005 0840)
	49 volume-%	(005 0090)
Drying time	Recoatable +20°C	
	292 7523	6–24 h
	005 0840	6–24 h
	005 0090	6–24 h
Gloss (DIN 67530, ISO 2813/60°)	17–23	(005 0090)
	>80	(005 0091)
Application methods	Pinjasol Color, Pinjasol Merit Jahti	Dipping, spraying Spraying
Thinner	Pinjasol Color and Pinjasol Merit Jahti	Thinner 1050 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 also good ventilation is needed.

APPLICATION

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.

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.

The right nozzle size is 0,009–0,013" and angle 20 or 40 and the spraying distance from object about 20–25 cm.

Sand the surfaces carefully with sanding paper 320 or 400 and remove sanding dust.

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.

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.

MAINTENANCE

Check the lacquer surfaces every year and relacquer scratches or other damages according following instructions.

Wash down the surface with Cleaning Agent (Maalipesu) 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.

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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.