

Technical Data Sheet

<u>Coding</u> series 700 PUS700 Polyurethane alkyd Wood clear Sealer 700

Brand Name WOODLAC
Color Transparent When Sprayed

Chemistry Polyurethane Alkyd

Hardener HDP

COMPOSITION AND APPLICATION FIELD

PUS 700 is An Alkyd polyurethane solvent base clear sealer System Selected from High Quality Raw Material ,it has a good clearance , with high levelling and flow properties resulting good closing pores possibility .

PUS 700 has a very good sanding property and create an adequate adhesion base coat for further top coat built up .

PUS 700 is one of the best solution for wood coating system where good coating hardness properties are required like tables top. However the result will always differ from the selection of the Top coat used and quality of solvent in which PUS 700 is diluted.

Application Field For PUS 700:

Veneer and timber massive wood, Birch ,Oak, Wenge ,Cherry ,Rose wood etc...for some oily veneer or wood massive timber an isolation procedure to be applied prior to sealer PUS700.

PUS 700 has an excellent property to keep the substrate ready with good adhesion of top coat.

PS -For Several application oxidisers might be a good solution to avoid yellowing resulting from conventional alkyd Polyurethane systems aspect on some special cases like woods bleached etc.. (oxidisers like Hydrogen Peroxide and others...)

PUS 700 is a good solution to be used on a stained veneer or wood timber with non yellowing change aspect.

PUS 700 is considered to be a part of a wood finishing system and applied as a sealer for top coat PUT7 which is a PU alkyd Top coat.

PUS 700 might be as well a good solution if applied over stained veneer or massive wood timber where extreme hardness and mechanical resistant propertied are needed.

PUS 700 present film property to be able to accept over high gloss or semi matt and matt top coat



APPLICATION CHEMISTRY

CATALYST TYPE FOR PUS700

HDP103050S

APPLICATION PREPARATION

CATALYST weight

50%

POT LIFE 6 hrs. at 26°C

THINNING

For conventional spray Application with PU 7 thinner
For Airless air assisted Application with PU 7 thinner
For Curtain Application systems: with PU 7 thinner
10/15%

In hot humid climate an addition of 3 to 5 % of OX7 is recommended upon working need

TECHNICAL CHARACTERISTICS

PHISICAL PROPERTIES

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Specific gravity for PUS 700		0.97	(± 0.003)	Kg/l
Viscosity. Ford 4/25°C		30	(±5)	Sec
Solid by packed volume		48%	(±2%)	
Hardener solid by packed volume	HDS700	30%	(±2%)	
Flash Point		21°C		

DRYING at 25°C

* Dust free 15 min

Touch drying 30 min .
Sanding drying Over night

On serial batch coating systems it is always recommended to check all the parameters on a small test application before starting any coating cycle .

Mechanical properties

Sanding very good Adherence very good



Preparation Manual

PUS 700 Series are normally used for substrate and wood timber and veneer to be placed indoor and has an excellent mechanical resistivity in case used on our complete system with our ACS7 TOP COAT clear in that case system can give the look of wood shining in gloss appearance top coat ,or it can be slightly stained to give special appearance upon working need.

Substrate must be sanded at 100grain caliper and stained if needed than sealed in 2 coats ,Sand papering by 220 grain caliper after 8hrs minimum(depending on weathering condition and drying equipment use) than sanding it by a 400grain caliper than applying top coat at a maximum interval time of not more than 4/6hrs.

Best to overcoat in not less than 2hrs depend on climate situation.

APPLICATION METHODS

Spray application : conventional Spray suction 1.8/2.0mm /5bar -Gravity cup gun 1.6mm/3.5bar-Airless air assisted systems nozzles 0.013" /70-90bar

Curtain systems: Dilution must be respected with our PU 700 thinner to keep viscosity steady and avoid any problem in application.

Interval coat 2hrs

PACKED IN: 1Lit & 5 Lit & 25 Lit.

STORAGE Product filled in a well sealed pail or gallon with 12months shelve life from production date at 23°C



Disclaimer:

The Data Given in this data sheet is all based on our Laboratory test and does not reflect in any case the reality of the field where the goods will be applied and did not take into consideration any parameters related to the application field that may differ and give different results as stated above—because of several differed parameters .however the producer is not responsible of any harm of health and property damage resulting from the application of this product if not followed by our instruction and technical support .The producer is not responsible to supervise or follow the end user or a third party nor to guarantee the application of the product his roll only limited in case asked to give recommendation and technical support .All product sold as per our standards and it is the result of test and field experience however it cannot cover systematically all the requirement of several fields needed by the user.

Some tests may vary according to several parameters and does not match pre-stated values in this data sheet .

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