

Technical Data Sheet

Coding	series 700
PUP700	Polyurethane alkyd Wood Pigmented primer 700
PRIMER	:PUP790WHITE /PUP770 GREY/ PUP799 BLACK
Brand Name	WOODLAC
Color	Colored When Sprayed
Chemistry	Polyurethane Alkyd
Hardener	HDP600

COMPOSITION AND APPLICATION FIELD

PUP 700 is An Alkyd polyurethane solvent base Pigmented Primer System Selected from High Quality Raw Material ,it has a good Pigment charge , with high levelling and flow properties resulting good closing pores possibility of MDF substrate .

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

PUP 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 PUP 700 is diluted .

Application Field For PUP 700:

Wood and MDF board.

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

PUP 700 is a good solution to be used on open pores substrate like MDF to block sucking effect

PUP 700 is considered to be a part of a wood finishing system and applied as a Primer for top coat PUT790 which is a PU alkyd Top coat.

PUP 700 might be as well a good solution if applied ON MDF Board where extreme hardness and mechanical resistant properties are needed..

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

APPLICATION

CHEMISTRY

CATALYST TYPE FOR PUP700

HDP600

APPLICATION

PREPARATION

CATALYST

VOLUME

50%

POT LIFE

6 hrs. at 26°C

HAMCO SARL

Factory :Haber Building ,Rwess Street ,Fanar ,Lebanon

Commercial Branch :Hazmieh- Mar Takla –Lebanon -Tel/Fax+961 5 454292

E mail :Info@chemicosarl.com

www.chemicosarl.com

THINNING

For conventional spray Application with PU 7 thinner	20-30%
For Airless air assisted Application with PU 7 thinner	15-20%
For Curtain Application systems : with PU 7 thinner	30-35%

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

TECHNICAL CHARACTERISTICS

PHISICAL PROPERTIES

Specific gravity for PUP 700	1.45	(±0.003)	Kg/l
Viscosity. Ford 4/25°C	70	(± 5)	Sec
Solid by packed volume	80%	(±2%)	
Hardener solid by packed volume HDP600	15%	(±2%)	
Flash Point	21°C		

APPLICATION RATE9 m²/kg (each coat)overspray not considered

DRYING at 25°C

* Dust free	15 min
Touch drying	30 min .
Sanding drying	2-4hrs

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

PUP 700 Series are normally used for substrate MDF panels to be placed indoor and has an excellent mechanical resistivity in case used on our complete system with our PUT 790 TOP COAT Pigmented in that case system can give the look of wood shining in gloss appearance top coat ,or it can be Tinted to give special appearance upon working need for later top coat shading need .

Substrate must be sanded at 100grain caliper and than primer in 2 coats ,Sand papering by 220 grain caliper applying second coat if needed and puttying after 2-4hrs hrs minimum(depending on weathering condition and drying equipment use) than sanding it by a 220/400grain caliper than overnight 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.

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APPLICATION METHODS

Spray application : conventional Spray suction 1.8/2.0mm /5bar -Gravity cup gun 1.8mm/3.5bar-Airless air assisted systems nozzles 0.017” /70-90bar OR AIRLESS 0.0015”AT 150BAR

Curtain systems : Dilution must be respected with our PUT 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 .

Content of this data sheet may be modified or cancelled without prior notice

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