

Technical Data Sheet

<u>Coding</u>	<u>series 700</u>
ACT700	Acrylic Wood Finishing Clear Gloss 700
ACT705	Acrylic Wood Finishing Clear 50% Gloss 700
ACT703	Acrylic Wood Finishing Clear 30% Gloss 700
ACT702	Acrylic Wood Finishing Clear 20% Gloss 700
ACT701	Acrylic Wood Finishing Clear 10% Gloss 700
ACT70X	Acrylic Wood Finishing Clear 5% Gloss 700
Brand Name WOODLAC	
Color	Transparent When Sprayed
Chemistry	Acrylic
Hardener	HDAT700-25%
P.S Always check our table of catalyst	

COMPOSITION AND APPLICATION FIELD

ACT 7 is An Acrylic solvent base Top Coat clear System Selected from High Quality Raw Material ,it has and very good clearance , with high levelling and flow properties resulting a mirror smooth touch for gloss if sprayed with good equipment .

ACT 700 is Available in different gloss Appearance physical aspect starting from 5% reaching 100% gloss rate on 60° Gloss Measuring Standard .

ACT 7 is one of the best solution for wood coating system where weathering conditions are required with non-yellowing property. However the result will always differ from the selection of the primary coat used and quality of solvent in which ACT 700 is diluted .

Application Field For ACT 7:

Veneer and timber massive wood from Birch ,Oak, Wengee ,Cherry ,rose wood etc...

ACT 7 has an excellent property to keep unchanged the physical appearance of the substrate on which the application Coating is done.

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...)

ACT 7 is a good solution to be use on a top coat pigment to protect it from any yellowing change aspect.

ACT 7 is considered to be a part of a wood finishing system and applied over ACS .7 which is an acrylic base coat.

ACT 7 might be as well a good solution if applied over pigmented coatings where extreme weathering and non yellowing conditions are needed.

ACT 700 present flexible film property to be able to resist to the substrate limited deformation if any

Gloss appearance of AC7

ACT701	10±3% GLOSS
ACT703	30±5% GLOSS
ACT705	50±5% GLOSS
ACT707	70±5% GLOSS

HAMCO SARL

Factory :Haber Building ,Rwess Street ,Fanar ,Lebanon
Commercial Branch :Hazmieh- Mar Takla –Lebanon -Tel/Fax+961 5 454292
E mail :Infotec@hamcolb.com www.hamcolb.com

ACT70X 6±1% GLOSS :

Is a special product formulated from very special raw material this product considered to be a timber or veneer wood appearance keeper where it has the possibility to transmit exactly the wood appearance physical aspect through the coating film of ACT70X with extremely minimal deviation

This product in case needed might be applied in single coat and not as an over coat in case the substrate is prepared adequately to respect this kind of need and solution .

APPLICATION

CHEMISTRY

CATALYST TYPE FOR	ACT701/3/5/7	HDAT700 -25%
CATALYST TYPE FOR	ACT70X	HDAT700 -25%
CATALYST TYPE FOR	ACT700	HDAT700 -25%

APPLICATION PREPARATION

CATALYST	weight
HDAT700	25%

POT LIFE 6 hrs. at 26°C

THINNING

For conventional spray Application with PU 7 thinner	15-25%
For Airless air assisted Application with PU 7 thinner	5-10%
For Curtain and roller brush Application systems with PU 7 thinner	15/30%

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

TECHNICAL CHARACTERISTICS

PHISICAL PROPERTIES

Specific gravity for ACT70X/1/3/5/7	0.98	(±0.003)	Kg/l
Specific gravity for ACT700	0.97	(±0.03)	Kg/l
Visc. /25°C	40	(± 5)	ku
Solid	40%	(±2%)	
Flash Point	21°C		

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

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EU REGISTRATION 011727948

DRYING at 25°C

Dust free	15 min ACT7X/1/3/5/7.
	20 min ACT700
Touch drying	30 min .
Deep 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 .

Appearance characteristics in dry state

Gloss 60° GU varies according product nature 5/10/30/50/92 (ASTM D523/67)

Mechanical properties

Hardness 24HR	Good for matt version
Hardness 24HRS	a bit flexible for full gloss version
Scratch resistance	Very good

Preparation Manual

AC7 Series are normally used for substrate and wood timber and veneer to be placed outdoor or indoor and has an excellent weather resistivity in case used on our complete system with our ACS700 sealer clear in that case system can transmit a natural look of wood ,or it can be slightly stained to give special appearance upon working need.

Substrate must be sanded and stained if needed than sealed by our ACS 700 ,Sand papering it properly and apply AC7 number of coat recommended one mist and 2 coats more coats can be applied in case needed For open pore increase thinning dilution and apply accordingly .

APPLICATION METHODS

Spray application : conventional Spray suction 1.8/2.0mm /5bar -Gravity cup gun 1.4mm/3.5bar-Airless air assisted systems nozzles 0.011”

Curtain systems : Dilution must be respected with our PU 700 thinner to keep viscosity steady and avoid any problem in application . the same for roller brush application system

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

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

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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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