

Technical Data Sheet

AZ2705/00 HYDROPLUS WATERBORNE CLEAR THIXOTROPIC TOPCOAT FOR EXTERIORS

DATE 12/19/07

Gloss level:	5 gloss
Area of use:	Door and window frames and any other wooden item exposed outdoors.
Method of use:	Spray (conventional, airmix, airless and electrostatic, provided equipment suitable for waterborne products is used).
Thinning:	Ready to use. If thinning is required, use 3-5% drinking water.

Technical characteristics

Solids content (%):	32 ± 1
Specific gravity (kg/l):	1.030 ± 0.010

General characteristics

Drying time(200 µm at 20°C):	Touch dry:	4 hours
	Through dry:	8 hours
	Stackable:	24 hours
Forced air drying (200 µm at 30°C):	Through dry:	180-240 minutes
	Stackable:	on exit from oven
Recommended application weight (µm wet):	from 180 to 200 per coat	
Spreading capacity (m²/kg):	from 2 to 4 depending on application system	
Shelf-life (months):	15	

AZ2705/00 is a one-pack waterborne topcoat with excellent elasticity and durability that make it ideal for protecting wooden items for outdoor exposure.

This topcoat has been specifically formulated to obtain a natural-look wood and this effect which is achievable by applying one coat of Hydroplus protective woodstain in the desired color shade plus one coat of AM0483/00 washcoat, sand, then apply one coat of AZ2705/00 (180-200 µm wet).

Drying

Waterborne products must be dried in rooms with temperatures no lower than 15°C and relative humidity no greater than 85%. For good drying it is advisable to use a forced flow of dry air, preferably dehumidified at 28-30°C.

COMPANY WITH
MANAGEMENT SYSTEM
- UNI EN ISO 9001 -
- UNI EN ISO 14001 -

Sherwin-Williams Italy S.r.l. – con unico socio
Via del Fiffo, 12 - 40065 Pianoro (BO) - Italia - C.P. 18
tel. +39 051 770 511 - fax +39 051 777 437
www.sayerlack.com
Cod. Fisc. e Reg. Impr. Bo 08866930152
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Company under the direction and coordination of The Sherwin-Williams Company, USA

General instructions

- Store the product in rooms with temperature between 5°C and 35°C.
- Do not use on very hygroscopic timbers, such as hemlock
- If the coating left is expected to be re-used after 5-10 days, we recommend to add on the whole quantity to be recovered from 2 to 4% of XA4017/00 modifier to prevent problems of thickening, poor flow and decay.
- During application, keep the product, the substrate and the room at a temperature of at least 15°C. Films created at temperature below 15°C exhibit chemical and mechanical resistance properties below the commonly achieved standards.
- Coating residues (washing water, booth water, used coating) must be disposed of in accordance with current legislation. Do not pour residues down drains.

WARNING: NATURAL RESIN ESCAPE.

Many timber species, especially conifers such as pine, larch, Douglas fir and spruce, contain large quantities of natural resin in capillaries and resin sacs near knots. It is virtually impossible either to eliminate this resin by drying out the wood or to use coatings to block it. Sooner or later the heat of the sun will cause the resin to escape. Nonetheless, the only real damage is to the aesthetic appearance of the material and the quality of the film is not affected.

N.B.: DATA PROVIDED ON THIS TECHNICAL DATA SHEET CORRESPOND TO OUR BEST KNOWLEDGE AND EXPERIENCE. WE ASSURE CONSISTENCY ON THE CHEMICAL-PHYSICAL CHARACTERISTICS OF OUR PRODUCTS, WITHIN THE TOLERANCE LIMITS SPECIFIED ON OUR TECHNICAL DATA SHEETS. RESPONSIBILITY OF FINAL RESULT OF PRODUCT APPLICATION IS FULLY UP TO THE USERS, WHO SHALL MAKE SURE THAT THE PRODUCT CORRESPONDS TO THEIR OWN NEEDS WITH REGARD TO APPLICATION SYSTEM, TO SUBSTRATES USED AS WELL AS TO WORKING CONDITIONS.

WARNING: ACTUAL VISCOSITY OF SOME PIGMENTED AND/OR THIXOTROPIC PRODUCTS MAY DIFFER FROM THE VISCOSITY SHOWN ON THE TECHNICAL DATA SHEET. DIFFERENCES ARE TO BE REGARDED AS ACCEPTABLE IF WITHIN 30% MAXIMUM.