

# Technical Data Sheet

## AM0495/13 HYDROPLUS WATERBORNE PIGMENTED BARRIER BASECOAT FOR EXTERIOR-WHITE

DATE 24 April 2019

|                |                                                                                                         |
|----------------|---------------------------------------------------------------------------------------------------------|
| Colors:        | 13 white                                                                                                |
| Areas of use:  | Door and window frames, wooden items exposed outdoor                                                    |
| Method of use: | Airless, airmix, electrostatic spray gun (with devices suitable for application of waterborne products) |
| Thinning:      | Ready to use for spray applications.<br>If necessary, dilute with tap water from 5 to 10%.              |

### Technical characteristics

|                              |                 |
|------------------------------|-----------------|
| Solids content (%):          | 51 ± 2          |
| Specific gravity (kg/l):     | 1.250 ± 0.030   |
| Viscosity (Brookfield 20°C): | 3,000 ± 250 Cps |

### General characteristics

|                                        |                                                                    |          |
|----------------------------------------|--------------------------------------------------------------------|----------|
| Recommended application weight (g/m²): | 1-2 coats @ 150 µm wet each, depending on wood extractives content |          |
| Drying time (100 g/m² at 20°C):        | dust free                                                          | 20'      |
|                                        | touch dry                                                          | 50'      |
|                                        | stackable                                                          | 24 hours |
| Forced air drying (100 g/m²):          | flash off                                                          | 20'      |
|                                        | hot air at 30°C                                                    | 2 hours  |
|                                        | cooling                                                            | 10'      |
| Shelf-life:                            | 15 months                                                          |          |

AM0495/13 is a waterborne thixotropic basecoat with good insulating power against wood extractives and resin.

With AM0495/13 good results have been achieved also on "difficult" wood species such as:

- Pine: reduction and/or total absence of yellowing on knots
- Oak and Chestnut: reduction and/or total absence of yellowing and tannin spots.
- Iroko, Nianggon, Accoya and other exotic woods: reduction of bleeding of extractives.

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

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**Company under the direction and coordination of The Sherwin-Williams Company, USA**

Due to the wide variety of timbers used to manufacture wooden items, it is always recommended to run some preventive tests, in order to check the actual insulation of the tannins and of the pine resin.

Most suitable timbers to be coated for outdoor exposure are softwood with few knots and resin free (resin is dangerous because it escapes through the coating's film and spoils the aesthetics).

The most suitable timber is Hemlock, followed by White Fir that generally has small and few knots, poor of resin. Good results are also achieved with Meranti. Pine gives varying results depending on the place of origin, the period in which the tree was cut and seasoning of the timber.

### **Substrate preparation**

For optimal adhesion to the substrate, we recommend the use of a waterborne protective wood stain as a first coat. AM0495/13 has to be applied by spray on door and window frames already coated with other Hydroplus waterborne preservative wood stains, such as AM0541/XX, and then overcoated with Hydroplus waterborne pigmented topcoats.

### **Warning**

Stir the product well before use.

Do not store the product at temperatures lower than 5°C and higher than 35°C.

Drying times shown on this technical data sheet refer to temperatures of 20°C (never below 10°C) and with good air circulation. We advise against use in places where these conditions are not complied with, in order to avoid drying anomalies or slowing down.

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.