

## Technical Data Sheet

### XA4080/00 CROSS-LINKER FOR WATERBORNE COATINGS

*Supersedes previous issue dated 06/12/00*

DATE 26/02/08

Area of use:	To be added to waterborne coatings in order to increase hardness, chemical resistance and blocking resistance.
Method of use:	Add at 0.5-1% to waterbased coating and stir mechanically.

### General characteristics

XA4080/00 is a cross-linker for waterborne coatings.

When added at a concentration of 0.5-1% it considerably improves hardness, abrasion resistance, resistance to aggressive chemicals and blocking resistance.

It should be used in all situations in which these characteristics are particularly desirable (e.g. topcoats for furniture requiring hardness and high chemical resistance, topcoats for door and window frames to be located in countries with particularly hot climates, etc.).

XA4080/00 loses its effectiveness within 6 hours after being added to the coating. After this time it is necessary to add fresh cross-linker, mixing the product left over with an equal quantity of fresh material.

It is not advisable to add XA4080/00 also to basecoats since this may cause cissing or poor adhesion problems of the topcoat. If further coatings are applied more than 2 hours apart, sand the basecoat well.

### Method of use

XA4080/00 is to be added in the percentages shown above and under stirring conditions (preferably mechanical).

If not stirring when being added to the coating, it may generate clots which would force product filtration so that to make it applicable. To improve dispersion, we recommend to pre-disperse it immediately before use in an equal quantity of water and then to introduce it slowly under stirring conditions. A prolonged contact with water (5-15 minutes) would cause hardening, with consequent loss of product. The introduction of crosslinking agent in a product may result in an increase in viscosity.

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.

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

Do not exceed the maximum blending proportion equal to 1%.

The crosslinked product left the day before can be re-used as a 1:1 blend with fresh product. New crosslinker is then to be added to this blend in proper percentage.

### **Special instructions**

This product is for professional use only.

Not recommended for DIY use.

Shelf-life: 12 months

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