

# ALUMINUM PIGMENTED ASPHALT ROOF COATING

NYCO SUPPLIES PREMIUM  
QUALITY WOLLASTONITE  
TO THE WORLD

NYCO is not only the foremost supplier  
of wollastonite in the world,  
we are also the first...

Since our pioneering plant at Willsboro,  
New York opened in 1953, to our most  
recent development of a world class  
deposit in the Sonora desert of Mexico,  
NYCO has led the world in its growing  
acceptance of wollastonite.

- highest quality ores
- state of the art processing
- world class treatment facilities
- market leading reliability  
& technical service
- 100's of years of reserves

This data contains general information and describes  
typical properties only. It is offered for use by  
persons qualified to determine for themselves the  
suitability of our products for particular purposes.  
No guarantee is made or liability assumed, the  
application of this data and the products described  
herein being at the sole risk of the user.

**ASTM D2824, TYPE III, FIBERED,  
NO ASBESTOS FIBER**

## FORMULATION, WT%

### ORDER OF ADDITION

Mineral Spirits Aluminum Paste <i>Mix 2-5 minutes - slow speed*</i>	20.0 14.0
Asphalt Cutback** <i>Mix 2-5 minutes - slow speed*</i>	45.0
Desiccant <i>Mix 2 minutes - slow speed*</i>	0.8
Cellulose Fiber, CF 42500 NYAD G® Wollastonite <i>Mix 10 minutes - medium speed*</i>	3.0 17.2

\* Mixer - 1 gallon, laboratory, Hobart paddle mixer.

\*\* May also be an oxidized asphalt-based cutback, with asphalt solids of 55-65%.

## TYPICAL COMPOSITION PROPERTIES

	REQUIREMENTS	
Weight per gallon, lbs	9.1	Not Applicable
Non-Volatile Matter, %	53.2	40 min. (ASTM D2824)
Volatile Organic Content (VOC), %	37.7 - 46.8	500gm/1 (OSHA, Selected States)
Insoluble in 1, 1, 1 Trichloroethane or Toluene, % NVM	50.0	50 min. (ASTM D2824)
Metallic Aluminum, %	9.8	9 min. (ASTM D2824, Type 1)

premium quality wollastonite

## TYPICAL ASPHALT CUTBACK PROPERTIES

	TYPE I	TYPE II
Cutback Solids, %	68 - 72	55 - 65
Cutback Viscosity @ 77°F, cps	800 - 1200	1000+
Asphalt Component Softening Point, °F Penetration @ 77°F, dmm Viscosity @ 140°F, P @ 275°F, cSt	<130 40 min. 1000 - 1400 210 min.	170 - 200 12 min. N/A 250 min.
Petroleum Distillate	Non-Rule 66 Mineral Spirits	Non-Rule 66 Mineral Spirits



**UNITED STATES**  
P.O. Box 368  
803 Mountain View Drive  
Willsboro, NY  
12996-0368, USA  
Tel: (518) 963-4262  
Fax: (518) 963-1110

**EUROPE**  
Belgium  
Tel: (32) 10 88 13 02  
Fax: (32) 10 22 65 99

**MEXICO**  
Hermosillo, Sonora, Mexico  
Tel: (52) 62 89 10 00  
Fax: (52) 62 89 10 90

[www.nycominerals.com](http://www.nycominerals.com)  
[info@nycominerals.com](mailto:info@nycominerals.com)

For detailed information on NYAD G®  
Wollastonite please contact  
**NYCO Minerals, Inc.**  
(an ISO 9002 certified facility).

**HEALTH & SAFETY STATEMENT:** Wollastonite is a naturally occurring, non-hazardous mineral. The benign health aspect of wollastonite provides a compelling reason for its use in place of other industrial minerals and fibers.

## PERFORMANCE PROPERTIES

UNIFORMITY	ASTM D2824, TYPE III	
Mixability/Stirback, @ 73.4°F @ 72 hours @ 1 month	Easy Moderate	Moderate N/A
Solvent Separation @ 73.4°F @ 72 hours @ 1 month	Moderate Moderate	Moderate Stirring N/A
CONSISTENCY		
Application	Squeegee, brush, roller	Same
Stormer Viscosity, @ 77°F, sec./ 100 revolutions (propeller rotor + 300 gms)	35 - 80	15 - 90
REFLECTANCE AFTER ACCELERATED WEATHERING		
@ 0 QUV Hours, Initial	61	N/A
@ 50 QUV Hours	64	-
@ 500 QUV Hours	64	-
REFLECTANCE AFTER SHELF-LIFE AGING		
Initial	60+	50+
After 3 days @ 120°F	60+	50+

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