

nyco® FIBERED EMULSIFIED ASPHALT ROOF COATING, ASBESTOS FREE

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.

PERFORMANCE REQUIREMENTS PER ASTM D1227 & D4479

FORMULATION, WT%

ORDER OF ADDITION

Asphalt Emulsion, SS-1h Water Biocides <i>Mix 2-5 minutes - slow speed*</i>	82.6 2.1 0.3
Cellulose Fiber PMF® Fiber LS <i>Mix 5-10 minutes - slow speed*</i>	2.9 0.7
NYAD G® Wollastonite <i>Mix 10 minutes - medium speed*</i>	11.4

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

TYPICAL COMPOSITION PROPERTIES

	TYPICAL	REQUIREMENTS	
		ASTM D1227	ASTM D4479
Weight per gallon, lbs	9.3 - 9.4	8.2 - 9.0	-
Non-Volatile Matter, %	63 - 65	45 - 55	50 min.
Volatile Organic Content (VOC), %	<10 gm/ltr	Not Classified	Not Classified
Mineral or Other Stabilizer	10 - 14	5 - 25	5 - 20
Asphalt, %	48 - 52	33 - 52	40 min.

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TYPICAL ASPHALT EMULSION PROPERTIES, ASTM D977, SS-1h

TYPICAL	
Asphalt Emulsion Solids, %	57 min.
Emulsion Viscosity, Saybolt Furool @ 25°C	20 - 100
Asphalt Component Ductility @ 25°C (5 cm/min.) Penetration @ 25°C, dmm Viscosity @ 60°C, P	40 min. 40 - 90 2400 - 3600



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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 D4479	
Mixability/Stirback, @ 25°C @ 72 hours @ 3 months	Easy Easy	Moderate N/A
Water Separation/Settling, @ 25°C @ 72 hours @ 3 months Cure Time, Hrs. via ASTM D2939	Trace Slight <24	No Stirring Moderate No requirement
CONSISTENCY		
Application	Squeegee, brush, roller	Same
Stormer Viscosity, @ 77°F, sec./ 100 revolutions (propeller rotor + 450 gms)	250 - 400	50 - 400
ACCELERATED WEATHERING, ASTM D4799, CYCLE B		
@ 100 QUV Hours	No blistering, sagging, cracking	No requirement
@ 500 QUV Hours	Same	-
@ 1000 QUV Hours	Same	-
Sag @ 140°F	Pass (No slipping)	Less than 1/4"
Pliability @ 32°F	Pass (No cracking)	No cracking or separation
Resistance to Water, via ASTM D2939	Pass	No requirement
Direct Flame Test, via ASTM D2939	Pass	No requirement

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