Vanderbilt Minerals, LLC
A Wholly Owned Subsidiary of R.T. Vanderbilt Holding Company, Inc.
33 WINFIELD STREET, P.O. BOX 5150, NORWALK, CONNECTICUT 06856-5150 • (800) 562-2476
Fax (203) 855-1220 • Internet Address: www.vanderbiltminerals.com

Paint & Coatings

PYRAX®
Pyrophyllite

PYRAX B and **PYRAX WA** are hydrated aluminum silicate minerals produced from North Carolina deposits of the mineral pyrophyllite. **PYRAX B** is good inert filler for use in contractor flat paints, where it contributes to improved low angle sheen control and scrub resistance. When used in exterior paints, the neutral pH of pyrophyllite yields reduced frosting. As a replacement for mica, **PYRAX B** or **PYRAX WA** are excellent fillers in joint compounds and dry wall muds. The micaceous particle shape of **PYRAX B** and **PYRAX WA** impart mud crack resistance to high build coatings such as texture paints and block fillers.

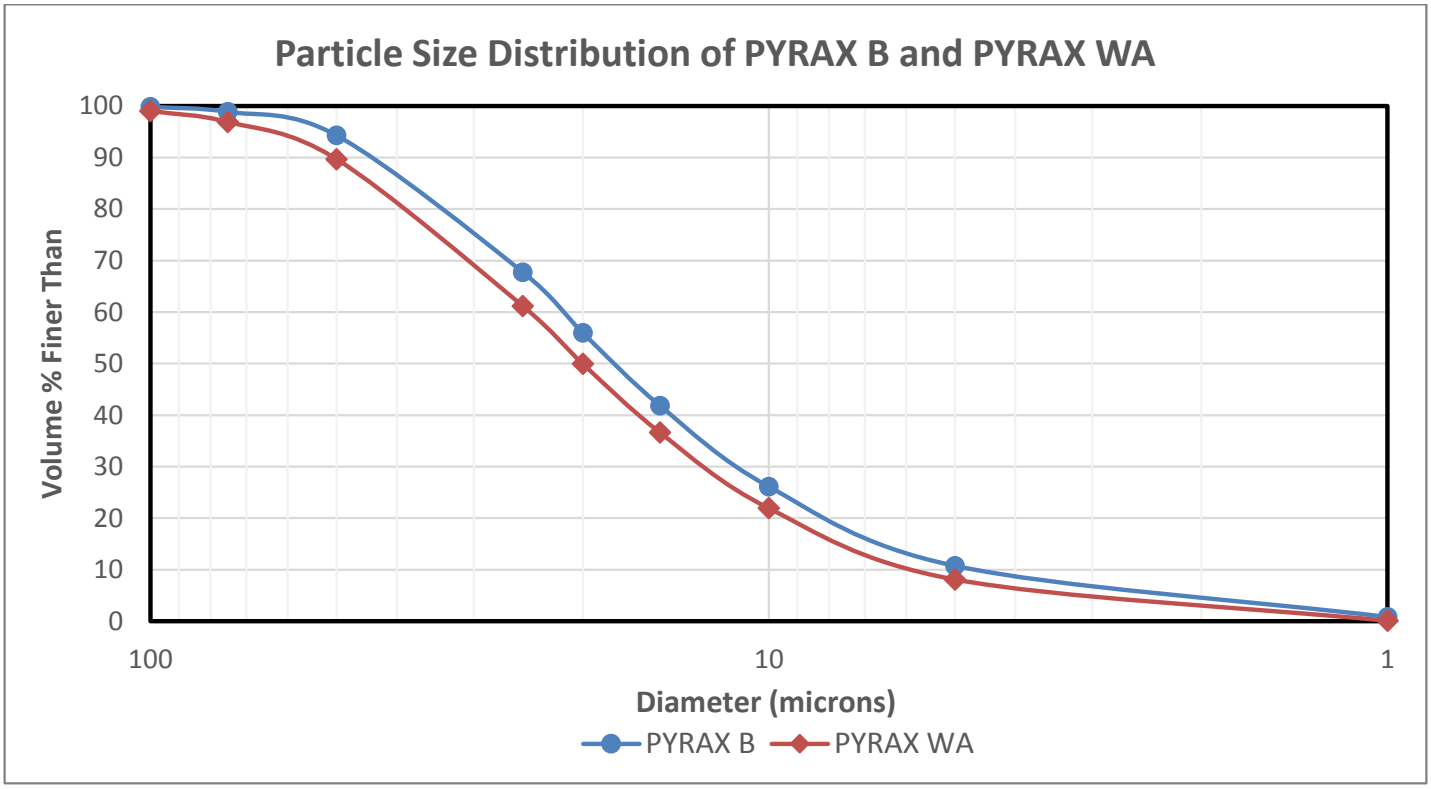
Typical Chemical Analysis % (calculated as oxides)

Aluminum Oxide (Al_2O_3)	18%
Silicon Dioxide (SiO_2)	77%
Iron Oxide (Fe_2O_3)	0.5%
Titanium Dioxide (TiO_2)	0.2%
Calcium Oxide (CaO)	<0.1%
Magnesium Oxide (MgO)	<0.1%
Sodium Oxide (Na_2O)	0.2%
Potassium Oxide (K_2O)	1%
Ignition Loss (1000°C)	3%

Typical Physical Properties:

	PYRAX B Pyrophyllite	**PYRAX WA** Pyrophyllite
GE Brightness (TAPPI T 646)	82	80
Density (g/cc)	2.8	2.8
Pounds per gallon	23.3	23.3
200 Mesh residue (Air Jet Sieve)	<1%	<3%
Hegman Fineness (ASTM D 1210)	0-1	0-1
Oil Absorption (ASTM D 281)	32	31
pH	6.8	6.8

Particle Size Distribution (Horiba LA 300)	**PYRAX B** Pyrophyllite	**PYRAX WA** Pyrophyllite
D10	5 µm	6 µm
D50	18 µm	20 µm
D90	41 µm	50 µm
D95	50 µm	64 µm



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