

NYCO Today

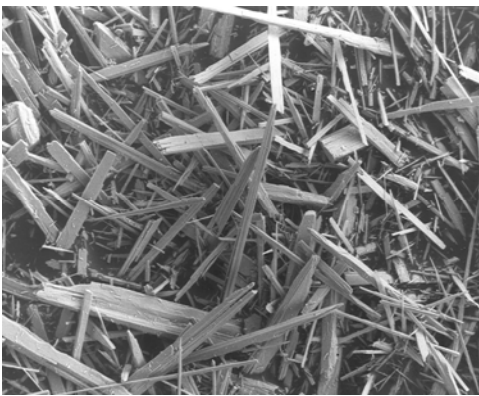
Wollastonite... One Mineral, A World of Applications

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NYCO Wollastonite – A Micro-Reinforcement for Stucco Products

Wollastonite's acicular (needle-like) structure gives stucco micro-fiber reinforcement by acting like "mini-rebar" in the matrix providing:

- Increased flexural strength
- Improved hardness
- Better impact strength



Wollastonite is naturally compatible with cementitious mixes due to its calcium metasilicate (CaSiO_3) chemistry and is used in normal cementitious as well as polymeric systems like acrylics (e.g. EIFS systems), where it goes into both the substrate as well as the topcoat.

Additional Key Benefits:

During Application

- Decreased mud cracking during application
- Improved sag resistance
- High brightness

In Service

- Increased moisture barrier properties
- Thermal shock resistance
- Superior resistance to micro-cracking
- Improved "controlled failure"

Indicative loading of wollastonite in a flexible stucco patching compound is 5-10 dry weight percent.

Customer's have seen longer life in mixes containing wollastonite, based on varying grades of wollastonite from the coarser sized particles of HARRP™ to high aspect ratio NYAD G®/MG to the smaller, less acicular grades of NYAD® M200.

NYCO's wollastonite is commercially used in many types of construction products including:

- Grouts
- Textured Mastics
- Crack Sealers
- Specialty Concrete
- Patching Compounds
- Fiber Cement Products
- Backer Boards

For further information, please contact
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