## BENEFITS

- Pure & Naturally Occurring
- High Vapor Permeability
- Excellent Modulus of Elasticity
- Resistant to Sulfate Attack & Alkali-Silica Reaction Low Carbon Footprint Allows Reuse of Masonry Autogenously Healing

### NHL TYPES

NHL 2 - Lowest modulus of elasticity, low strength, highest vapor exchange, for soft pointing mortar.

NHL 3 - Moderate strength, excellent freezethaw resistance, for laying or repointing brick, stone, and terra cotta units, used to make scratch, brown, and finish coats of exterior stucco.

NHL 5 - Highest strength, best freeze-thaw resistance, for building or repairing wall head copings, pointing and parging the water table or foundation of a building and making lime concrete, can be used to build seabearing walls.

# CONTACT US

Our Technical and Product Specialists are available to help you with any questions you may have about the use, application, or chemistry behind all of our materials.

> (215) 536-6706 admin@limeworks.us

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How to Videos Youtube



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#### NATURAL HYDRAULIC LIME

SAINT- ASTIER (SINCE 1851)

MATERIALS FIT FOR PURPOSE



UNIVERSITY OF VIRGINIA

#### For Professional Masonry Restoration & Sustainable Building Systems

Breathability of building fabric is one key to a successful repair for historic masonry or sustainable new construction projects. In independent studies, St. Astier NHL has shown to have higher levels of vapor permeability than all mortar mixes containing any amount of Portland Cement.<sup>1</sup> This remains true while also achieving adequate strengths for many applications without the need to add other Cements or Pozzolans.

<sup>1</sup>Jennifer Schork, Norman R. Weiss, and John J. Walsh. "Comparative Laboratory Evaluation of Conservation Mortars." 2012. PDF File.



— PUMPKIN ISLAND LIGHTHOUSE

### TIME IS ON OUR SIDE

The same unique deposit of limestone located in Saint-Astier France was used by the Romans for structures that still stand today throughout southern Europe.

> Contact us to discuss your project! Send us a mortar sample for a color simulation and consultation.

#### LOW CARBON FOOTPRINT

St. Astier NHL is environmentally friendly, requiring significantly less embodied energy in production compared to manufacturing Portland Cement. During curing, St. Astier NHL actually continues to absorb carbon dioxide from the atmosphere throughout its lifecycle, further reducing its carbon footprint and emits 80% less carbon gases into the atmosphere than Portland Cement - PONT-DU-GARD

AN INDUSTRY STANDARD IN HISTORIC RESTORATION FOR MORTAR STUCCO & PLASTER