

October 30, 2024

Re: Acceptable Non-Shrink Grout or Mortar for Simpson Strong-Tie® Heli-Tie™ Helical Stitching Tie Installation

To Whom It May Concern:

This letter provides a guideline for non-shrink grout or mortar used in installation of Simpson Strong-Tie Heli-Tie Helical Stitching Tie (Figure 1). For Helical Stitching Tie installation, any non-shrink grout or mortar may be used, provided the material has properties similar to those provided in Table 1 below. It should be noted that the properties listed below are the minimum values recommended for non-shrink grout or mortar for use with Heli-Tie, and alternatives that don't meet these minimum values may experience a decrease in performance.

Table 1. Minimum Properties Table for Heli-Tie Recommended Non-Shrink Grout or Mortar

Compressive Strength – 7 days	4,500 psi
Compressive Strength – 28 days	6,400 psi
Tensile Strength – 28 days	310 psi
Flexural Strength – 28 days	680 psi



Figure 1. HELST254000 – Heli-Tie Helical Stitching Tie

Please refer to the current *Anchoring, Fastening, Restoration and Strengthening Systems for Concrete and Masonry* catalog or strongtie.com for installation instructions and additional information.

The information in this letter is valid until **10/29/2026**, when it will be re-evaluated by Simpson Strong-Tie. Please visit strongtie.com/helitie for additional pertinent information. If you have questions or need further assistance regarding this matter, please contact Simpson Strong-Tie at 800.999.5099.

Sincerely,

SIMPSON STRONG-TIE COMPANY INC.