

**Subject: Laminam 3+ mm and 5.6mm on Fireplace Surrounds and Submerged applications**

**Fireplace surrounds:**

Laminam 3+ should not be bonded to any surface that is anticipated to reach temperatures exceeding 100°C (212°F), due to possible effects on the backing material (polyurethane bonded fiberglass). Laminam 5.6 mm only should be used in applications exceeding these temperatures. Laminam in either thickness should never be used inside the firebox. For installations exposed to heat verify with the setting material manufacturer the appropriate bonding, grouting, and movement joint materials which are critical in this application where exposure to thermal variation is more prevalent. For fireplace surrounds, when possible a soft joint between the horizontal face and vertical sides is recommended to accommodate thermal movement.

**Submerged applications:**

Laminam 5.6 mm is suitable for submerged applications. Verify the proper installation system, setting materials, grouts, and movement joint materials with the setting material manufacturer. Laminam 3+ should not be used in these applications due to widely varying water chemistries and their possible effect on the Laminam 3+ backing material (polyurethane bonded fiberglass).