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# Tech Hotline

**No. 0319 -BSc**

## StoTherm<sup>®</sup> ci and DensElement<sup>™</sup>

DensElement sheathing is a glass mat faced gypsum sheathing that conforms with ASTM C1177, according to information published by Georgia-Pacific.

Sto Corp. recommends its StoTherm ci system, complete with StoGuard Air and Moisture Barrier, when EIFS is the desired cladding over any ASTM C1177 compliant sheathing, including DensElement. The resulting assembly is fully code compliant, independently tested, and is listed in ICC Evaluation Report No. 1748. When StoTherm ci is used over C1177 compliant sheathing it comes with a single source warranty from Sto Corp for the air, vapor, and moisture control layer – StoGuard, and the Sto EIFS cladding.

The DensElement Barrier System consists of DensElement sheathing coupled with a fluid applied flashing (PROSOCO R-Guard<sup>®</sup> FastFlash<sup>®</sup>), used to treat joints and spot fasteners. If Sto EIFS is used over DensElement without StoGuard, acceptance of the assembly for compliance with the applicable building code and project specifications is the responsibility of the design professional and AHJ (Authority Having Jurisdiction).

If StoGuard is not used, the resulting system is not StoTherm ci, and any associated warranty with respect to moisture control, air tightness, and drainage must come from Georgia-Pacific, while any Sto warranty would be limited to the Sto EIFS cladding: StoTherm Essence: 5 year Limited Warranty, StoTherm Classic: 7 year Limited Warranty, StoTherm Lotusan: 10 year Limited Warranty