

Tech Hotline

No. 0219-EC
Revised: Feb. 2019

StoTherm ci Mineral and Part 3 Compliance

Sto's new StoTherm ci Mineral is an EIFS solution for designers seeking to provide their clients with an exterior insulated wall system solution on buildings, or an exposing building face where noncombustible cladding is required (e.g. <10% allowable unprotected openings). Utilizing noncombustible materials, StoTherm ci Mineral represents an acceptable solution under those conditions. The below Table is taken from an Objective Based Analysis completed on StoTherm ci Mineral for its compliance to the National Building Code of Canada's Subsection 3.1.5 Noncombustible Construction. Refer to the Objective Based Analysis for details.

Sentence 3.1.5.1.(1), is the root provision applicable to materials on buildings required to be of noncombustible construction:

Division B Sentence 3.1.5.1.(1) - Except as permitted by Sentences (2) to (4) and Articles 3.1.5.2. to 3.1.5.24, 3.1.13.4 and 3.2.2.16., a building or part of a building required to be of noncombustible construction shall be constructed with noncombustible materials.

Meaning, unless there is an allowance and requisite conditions present, materials used in noncombustible construction are to be noncombustible (pretty simple). The below table examines the StoTherm ci Mineral system against the Sentence's requirements

Table 1 - StoTherm ci Mineral Components and Code Cross Reference

Component	Attribute	Code	Objective Based Analysis
StoGuard Fluid Applied Barrier	Minor combustible component	Div. B Clause 3.1.5.2.(1)(h)	Not Required as per Div. A – clause 1.2.1.1.(1)(a)
Sto DrainScreen	Concealed minor combustible component	Div. B Sentence 3.1.5.1.(1)	[F02 – OS1.2] [F02 – OP1.2]
Sto Adhesive¹	<i>Noncombustible material</i>	Div. B Sentence 3.1.5.1.(1)	Not Required as per Div. A – clause 1.2.1.1.(1)(a)
Sto Mineral Wool Insulation	<i>Noncombustible Material</i>	Div. B Sentence 3.1.5.1.(1)	Not Required as per Div. A – clause 1.2.1.1.(1)(a)
Sto Base Coat¹	<i>Noncombustible Material</i>	Div. B Sentence 3.1.5.1.(1)	Not Required as per Div. A – clause 1.2.1.1.(1)(a)
Sto Mesh	Minor combustible component ²	Div. B Sentence 3.1.5.2.(1)(a)(h)	Not Required as per Div. A – clause 1.2.1.1.(1)(a)
Sto Finishes	Minor combustible component ³	Div. B Clause 3.1.5.2.(1)(h)	Not Required as per Div. A – clause 1.2.1.1.(1)(a)

Refer to Objective Based Analysis, *StoTherm ci Mineral Compliance with NBC 2015*, for a detailed explanation.