

Ontario's Building Code

ONTARIO ONLY	PROPOSED CHANGE TO THE 2006 BUILDING CODE		
CHANGE NUMBER	M-B-09-13-01	CODE REFERENCE	Div. B 9.13.2.2.
DESCRIPTION OF PROPOSED AMENDMENT	Add the CGSB 37-GP-56M, "Membrane, Modified, Bituminous, Prefabricated, and Reinforced for Roofing" as a material standard for dampproofing.		

EXISTING 2006 BUILDING CODE PROVISION(S)

9.13.2.2. Material Standards

- (1) Except as otherwise specified in this Section, materials used for exterior dampproofing shall conform to,
 - (a) CAN/CGSB-37.1-M, "Chemical Emulsified Type, Emulsified Asphalt for Dampproofing",
 - (b) CAN/CGSB-37.2-M, "Emulsified Asphalt, Mineral Colloid Type, Unfilled, for Dampproofing and Waterproofing and for Roof Coatings",
 - (c) CGSB 37-GP-6Ma, "Asphalt, Cutback, Unfilled, for Dampproofing",
 - (d) CAN/CGSB-37.16-M, "Filled, Cutback Asphalt for Dampproofing and Waterproofing",
 - (e) CGSB 37-GP-18Ma, "Tar, Cutback, Unfilled, for Dampproofing",
 - (f) CAN/CGSB-51.34-M, "Vapour Barrier, Polyethylene Sheet, for Use in Building Construction", or
 - (g) CAN/CSA-A123.4, "Asphalt for Constructing Built-Up Roof Coverings and Waterproofing Systems".

PROPOSED CODE CHANGE

Add new Clause 9.13.2.2.(1)(h) as follows:

- (h) CGSB 37-GP-56M, "Membrane, Modified, Bituminous, Prefabricated, and Reinforced for Roofing".

RATIONALE FOR CHANGE

Problem / General Background

The proponent states that, under both the dampproofing and waterproofing sections of the current Building Code, none of the material standards listed are chemically compatible with expanded polystyrene foam that is commonly used with insulated concrete forms. Only the materials tested under CGSB 37-GP-56M will qualify for use over ICF Technologies. When this standard was eliminated in the 2006 edition of the Building code, this has caused severe compliance problems in the field.

Justification / Explanation

The proponent states that efforts by manufacturers to address this issue by approaching the CCMC have stalled since the evaluation criteria dictated by the CCMC goes well beyond the capable functionality of membranes required to be self adhesive to an EPS foam surface. This has prevented many manufacturers from seeking evaluation by the BMEC as well. By adding the above noted standard back into the material standards for Dampproofing and adding this same standard under the material standards for Waterproofing, this will enable manufacturers to seek certification by an accredited testing agency thus by-passing the CCMC and resolving the issue of no-compliance that now rampantly exists throughout this industry.

Cost / Benefit Implications

The proponent states that this addition will eliminate any homeowner or building owner from having to cover the costs of site specific engineering approval of each and every dampproofing or waterproofing installation that is, in many instances, being requested by building officials across the Province of Ontario for the approval of these systems. The only cost implication for manufacturers is the annual certification fee to maintain testing agency certification of their materials in continuing to meet the standard if added to the Building Code. This is a fraction of the costs associated with dealing with approvals through the CCMC.

Enforcement Implications

The proponent states that this standard can be enforced within the infrastructure now deployed and no cost burden will be incurred by the local municipalities with this proposed change.

Simplifies enforcement.

Who is Affected

Building Officials.

Objective-Based Analysis

Provision	9.13.2.2.(1)(h)
Objective	
Functional Statement	[F61-OS2.3] [F40-OH1.1] [F61-OH1.1, OH1.2, OH1.3]