

Hail Impact Resistance Testing

Technical Document

Testing Standard

Austrian Public Building Insurance Companies (APBIC) Standard

NOTE: This test is higher than “Class 4” in Factory Mutual Test Standard #4473

Overview

Ice balls up to 2 3/4” in diameter are shot at Fundermax panels at a speed of 67mph.

Testing Procedure

Four panels are mounted and clamped in place to prevent any movement during test.

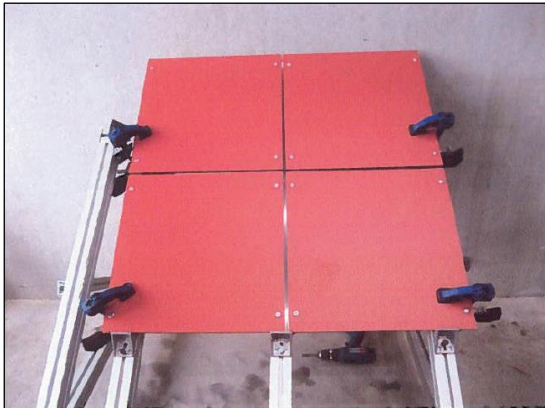
Target points were selected but not limited to edges, corners, unsupported areas, overlaps and joints.

Ice balls are laboratory made and must be clear and free of cracks and air bubbles at -4F.

Distance of firing gun and target area is between 15” to 20”.

Results

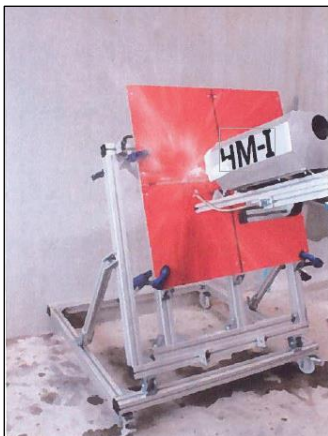
During the entire test no breakage, discoloration, chipping, or tearing occurred.



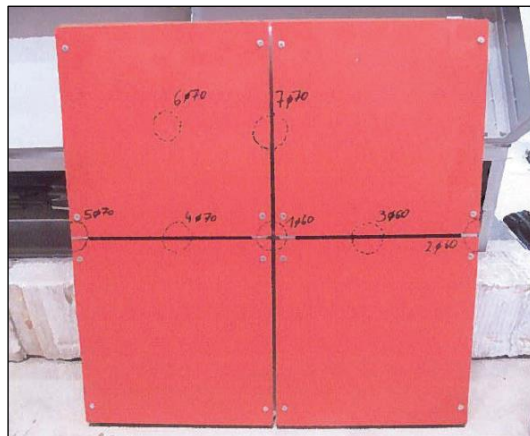
Panels ready for testing



Ice ball being loaded into firing device



Ice ball being shot at the panels



Panels after testing