



# Impact Resistance

Date 4/23/2003  
Test Method CCMC Masterformat 07483  
Ambient conditions Temperature: 18 degrees C  
Test Method Used Simulated section of wall 8' x 8' (2.44m x 2.44m) mounted vertically in test frame

Impactors suspended by 3.2 m length of rope between impactor and overhead hook to rest against test sample.

Impactor pulled back and up to drop height and released allowing impactor to swing in falling arc until it impacts the sample.

After impact, sample inspected for any cracks, or other damage around impact point.

### Safety Impact Tests

Impact Load and Type	Drop Height	Impact energy	Comments/Observations
Large Soft 50 kg bag	8 ins (203 mm)	100 N.m.	No cracks or other damage No penetration of system No dislodging of any part of system No falling debris No structural damage
Hard 1 kg steel ball	40 ins (1.016 m)	10 N.m.	As Above

### Retention of Performance Tests

Impact Load and Type	Drop Height	Impact energy	Comments/Observations
Large Soft 50 kg bag	2.7 ins (68.5 mm)	34 N.m.	No cracks or other damage No penetration of system No dislodging of any part of system No falling debris No structural damage
Small Soft 3 kg bag	80 ins (2.032 m)	60 N.m.	As Above
Hard 1 kg steel ball	40 ins (1.016 m)	10 N.m.	As Above

