

**CONFIDENTIAL**



**Technical Report.**

**Report No.:** 276  
**Lab. Ref. No.:** MAB/NCD/06/06.  
**Title:** Evaluation of Natural Cement test blocks for adhesion performance.  
**Author:** P. Gardner.  
**Date:** 14<sup>th</sup> June 2006.  
**Circulation:** Mr. P. Richardson of Natural Cement Distribution Ltd, & File.

**Introduction:**

Six Natural Cement test blocks, approximately 50mm thick, were supplied for adhesion tests.

**Test/Assessment Summary:**

1. Altro Safety Flooring was adhered to two test blocks, 36 hours after they were cast, using Altrofix 365 adhesive. No primer was used on the test blocks. Adhesion performance was assessed as follows;
  - Dry bonded (adhesive allowed to go off) – this gave good bonding strength, and there was no peeling of the adhesive from the subfloor.
  - Wet bonded (drop Altro Safety flooring onto wet adhesive) - inspection after 3 days showed good bonding strength, and that the wet adhesive had been absorbed into the subfloor.
2. Altro Safety flooring was then adhered to two test blocks, 36 hours after they were cast, using Altrofix 19 adhesive. Again no primer was used on the test blocks. Adhesion performance was assessed as follows;
  - Inspection after 3 days showed good bonding strength.
3. Ardex Ardite smoothing compound was applied to a further test block, 36 hours after being cast, and bonding performance was assessed as follows;
  - Inspection after 3 days showed good bonding strength.

**Signed:**

*Paul Gardner*  
**Technical Services Manager**  
**Altro Floors, Works Road, Letchworth Garden City, Herts, SG6 1NW**