PRODUCT TESTING SERVICE

TCNA TEST REPORT NUMBER: TCNA-051-08

TEST REQUESTED BY: Noble Company
Attn: Jim Wadaga
P.O. Box 350
Grand Haven, MI 49417

TEST SUBJECT MATERIAL: Identified by client as: NobleSeal TS

TEST DATES: 3/28/08-4/2/08

ANSI SPECIFICATION FOR CRACK ISOLATION MEMBRANES FOR THIN-SET CERAMIC TILE AND DIMENSION STONE INSTALLATION (A118.12)

System Crack Resistance Test (5.4)
Specimen 1: 0.016-inches No Cracking to grout or tile
0.032-inches No Cracking to grout or tile
0.048-inches No Cracking to grout or tile
0.064-inches No Cracking to grout or tile
0.080-inches No Cracking to grout or tile
0.096-inches No Cracking to grout or tile
0.112-inches No Cracking to grout or tile
0.128-inches No Cracking to grout or tile

Specimen 2: 0.016-inches No Cracking to grout or tile
0.032-inches No Cracking to grout or tile
0.048-inches No Cracking to grout or tile
0.064-inches No Cracking to grout or tile
0.080-inches No Cracking to grout or tile
0.096-inches No Cracking to grout or tile
0.112-inches No Cracking to grout or tile
0.128-inches No Cracking to grout or tile

Specimen 3: 0.016-inches No Cracking to grout or tile
0.032-inches No Cracking to grout or tile
0.048-inches No Cracking to grout or tile
0.064-inches No Cracking to grout or tile
0.080-inches No Cracking to grout or tile
0.096-inches No Cracking to grout or tile
0.112-inches No Cracking to grout or tile
0.128-inches No Cracking to grout or tile

NOTE: Two 10 x 8 x 2-inch concrete blocks were buttied together to form a 20 x 8 x 2-inch unit. The NobleSeal TS was applied to the concrete blocks using NobleBond EXT, per manufacturer’s instructions. A specific pattern of 4 x 8 x ½-inch quarry tiles (detailed by the method) was bonded to the NobleSeal TS using Mapei Kerabond and Kerlastic. The system was grouted using Mapei Keracolor S sanded grout. The blocks were cured for an additional 28 days.

In accordance with ANSI A118.12 system crack resistance test, this material is classified as “high performance”.


Katelyn Simpson
Laboratory Engineer

Date 4/7/08

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