

## PRODUCT TESTING SERVICE

Anderson, SC 29625 Tel (864) 646-TILE Fax (864) 646-282 100 Clemson Research Blvd.

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 butted 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 1/2-inch quarry tiles (detailed by the method) was bonded to the NobleSeal TS using Mapei Kerabond and Keralastic. 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".

[The ANSI A118.12 Requirement for system crack resistance states: "standard performance: tile failure occurs after 1/16" specimen gap opening, but before 1/8" gap opening. High performance: The failure does not occur by 1/8" specimen gap opening."]

Katelyn Simpson

Laboratory Engineer

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