

World Center for Concrete Technology
 Alpena Community College
 Concrete Testing Lab
 750 Woodward Ave.
 Alpena, MI 49707
 989/358-7467

ASTM C-744

Standard Specification for Prefaced Concrete and Calcium Silicate Masonry Units
 Sections:

7.2 Crazeing

7.3 Resistance to Chemicals

7.8.1 Staining Media

7.8.2 Spotting Media

7.2 Crazeing: STN Block showed no visible crazeing.
 BRN Block showed no visible crazeing.

7.3 Resistance to Chemicals: The following chemicals were applied.

Chemicals:	Hrs Applied	STN Block	BRN Block
Acetic Acid	24hrs	No Evident	No Evident
Hydrochloric Acid	3hrs	No Evident	No Evident
Potassium Hydroxide	3hrs	No Evident	No Evident
Trisodium Phosphate	24hrs	No Evident	Evident*
Hydrogen Peroxide	24hrs	No Evident	No Evident
Household Detergent	24hrs	No Evident	No Evident
Vegetable Oil	24hrs	No Evident	Evident*
Blue-Black Ink	1hr	No Evident	No Evident
Ethyl Alcohol	3hrs	No Evident	No Evident

*See Pictures

7.8.1 Staining Media: A stain was applied according to the ASTM on both types of blocks.
 STN Block the stain was completely removed.
 BRN Block showed a pronounced stain.

7.8.2 Spotting Media: The following medias were applied. The use of 100% Isopropyl alcohol was use to clean the spotting media.

Media:	STN Block	BRN Block
7.8.2.1 Writing pencil no. 2	No Evident	No Evident
7.8.2.2 Magic Marker	No Evident	No Evident
7.8.2.3 Lanolin	No Evident	No Evident
7.8.2.4 Carbon Paper	No Evident	No Evident

Tested By: Michael R Meyer
 Lab Technician