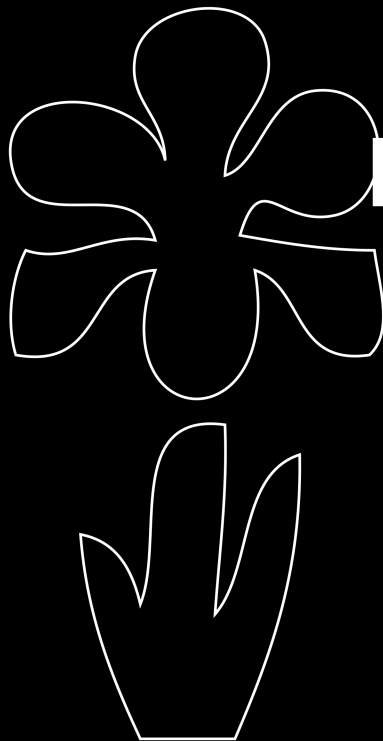


NASCO



**Bio-Crete**



Made in the USA

Ivory

Grey

Sage

Nero



Honed

Rigato



Honed

Rigato



Honed

Rigato



Honed

Rigato

	Product Size	Product Size	Product	Product	Product Size	Product Size	Product	Product
	24 x 24	12 x 24	18 x 36	6 x 36	24 x 24	12 x 24	18 x 36	6 x 36
Ivory	IRG2424129	IRG1224129	IRS1836129	IRS0636129				
Ivory Rigato	N/A	N/A	IRS1836129	IRS0636129				
Grey	IRG2424128	IRG1224128	IRS1836128	IRS0636128				
Grey Rigato	N/A	N/A	IRS1836128	IRS0636128				
Sage	IRG2424130	IRG1224130	IRS1836130	IRS0636130				
Sage Rigato	N/A	N/A	IRS1836130	IRS0636130				
Nero	IRG2424131	IRG1224131	IRS1836131	IRS0636131				
Nero Rigato	N/A	N/A	IRS1836131	IRS0636131				





Grey Rigato 18" x 36"



Nero (on floor) various sizes & Grey Rigato (on wall) 18" x 36"

## BioCrete Mosaic



### Mosaic

2 x 2

Hand

Melted Ice IRG12MO129

Aqua IRG12MO128

Sage IRG12MO130

Weathered Black IRG12MO131

## BioCrete Trim



### Bullnose

3 x 24

Hand

Melted Ice IRG324BT129

Aqua IRG324BT128

Sage IRG324BT130

Weathered Black IRG324BT131



### Cove Base

6 x 12

Hand

Melted Ice IRG612C129

Aqua IRG612C128

Sage IRG612C130

Weathered Black IRG612C131



Ivory (on floor) 18" x 36" & Ivory Rigato (on wall) 18" x 36"

C1028  
COF  
Dry  $\geq 0.80$   
Wet  $\geq 0.60$

Acutest  
DCOF  
Wet  $\geq 0.42$

## BioCrete Tech Specs

### PHYSICAL PROPERTIES

Water Absorption

Size

Calibrated (non rectified)

Rectified

Bond Strength

Deep Abrasion

Hardness (Mohs scale)

Frost Resistance (Freeze/Thaw)

Chemical Resistance

Breaking Strength

Coefficient of Friction (static)

### TEST

ASTM C373

ASTM C499

ASTM C499

ASTM C485

ASTM C485

ASTM C502

ASTM C499

ASTM C499

ASTM C485

ASTM C485

ASTM C502

ASTM C482

ASTM C1243

ASTM C1026

ASTM C650

ASTM C648

ASTM C1028

### INDUSTRY STANDARDS

0.5% Maximum

• Range of Thickness (inch)

• Average Facial Dimension

• Warpage

• Warpage

• Wedging

• Range of Thickness (inch)

• Average Facial Dimension

• Warpage

• Warpage

• Wedging

50 psi or greater

< 175 mm<sup>3</sup>

No requirement

No sample must show

alterations to surface

No requirement

250 lbf or greater

No requirement

### NASCO RESULTS COLORED BODY

$\leq 0.1\%$

$\leq 0.040$

$\leq \pm 0.50\%$

$\leq \pm 0.75\%$

$\leq \pm 0.50\%$

$\leq \pm 0.50\%$

$\leq 0.040$

$\leq 0.25\%$

$\leq 0.40\%$

$\leq 0.40\%$

$\leq 0.25\%$

> 200 psi

< 150 mm<sup>3</sup>

$\geq 7$

No cracking

or spalling occurred

Class A

$\geq 350$  lbf

Per collection

Data taken from a representative colored body collection. Individual product testing can be conducted by request.

Coefficient of Friction: All values given are for matte or honed material. No values are given for polished material. NASCO does not recommend polished surfaces in areas subject to exposure from grease, oil or water. (All values are based on ASTM C1028 and Acutest DCOF.)

## BioCrete Packaging

PRODUCT	SIZE	BOX PECS	BOX SF	PALLET BOXES	PALLET SF	THICKNESS	WEIGHT LB/SF
Floor & Wall Tile	24 x 24	4	15,834	30	475.02	8	3.66
	12 x 24	8	15,751	32	504.032	8	3.56
	18 x 36	5	22,189	18	399.402	8	3.63
	6 x 36	7	10,221	36	367.56	8	3.63
							LB PER PIECE
Mosaic 12 x 12 9mm	2 x 2	5	4,896	-	-	8	3.56
Bullnose	3 x 24	16	7,793	-	-	8	1.80
Cove Base	6 x 12	8	3,888	-	-	8	1.70





### 3. TECHNICAL DATA

Physical Properties	ASTM Test	Industry Standards	Results
Water Absorption	C373	0.5% Maximum	≤ 0.1%
Thickness Dimension	C499	Range 0.04 Maximum	≤ 0.04
Facial Dimension	C499	±0.25%	≤ 0.25%
Warpage Average	C485	± 0.40% on any edge	≤ ± 0.40%
Warpage Average	C485	± 0.40% on diagonal	≤ ± 0.40%
Wedging Average	C502	± 0.25%	≤ ± 0.25%
Bond Strength	C482	50 psi or greater	> 200 psi
Deep Abrasion	C1243	≤175 mm <sup>3</sup>	<150 mm <sup>3</sup>
Hardness (Mohs)		No Requirement	≥ 7
Frost Resistance (Freeze/Thaw)	C1026	No sample must show alterations to surface	No cracking or spalling occurred
Chemical Resistance	C650	No Requirement	Class A
Breaking Strength	C648	250 lbf or greater	≥ 350 lbf
Coefficient of Friction (Static)	C1028	No requirement	≥ 0.80 Dry ≥ 0.60 Wet
Coefficient of Friction (Dynamic)	DCOF Acutest <sup>sm</sup> (wet)	≥ 0.42*	≥ 0.50

Data taken from representative colored body collection. Individual product testing can be conducted by request.

*Coefficient of Friction:* All values given are for matte or honed material. No values are given for polished material. Nasco does not recommend polished surfaces in area subject to exposure from grease, oil or water.

### 4. INSTALLATION

All installation work using Nasco tiles will conform to the standards set forth in the latest version of ANSI A108/118 and/or the TCNA Handbook for Ceramic Tile installations.

Installation or setting materials:

Movement joints shall be provided throughout the tile and work will conform to ANSI Specification A108.01-3.7; A108.02 – 4.4. and TCNA Details EJ171.

Setting materials used will conform to the ANSI 118.4 standard or greater and be recommended by the selected manufacturer for the installation & setting materials for ceramic or porcelain tile based on the application requirements.

### 5. WARRANTY

Nasco guarantees that its products will be free of manufacturing defects and they will meet or exceed the performance specifications set forth in ANSI 137.1.