



NORTH STAR SOLID SURFACE

POLYESTER SOLID SURFACE

TECHNICAL SPECIFICATIONS

Product Identification

NORTH STAR SOLID SURFACE surfacing products.

Manufacturer

Fama Industries
7-15050 54A Avenue
Surrey, BC V3S 5X7, Canada

Product Description

Composition & Materials: NORTH STAR SOLID SURFACE is a patented, non-porous, homogenous blend of polyester polymers and mineral fillers. This creates a surfacing material that looks like stone but cuts like wood. The grain pattern goes all the way through, allowing for three-dimensional shaping.

Basic Uses: Because the material can be worked with conventional woodworking power tools, the design possibilities are unlimited. Countertops, wall cladding, furniture, mouldings, architectural signage, and accessories can be beautifully created with a guarantee of durability.

Sizes: Sheets of Cool Cravings Collection, Ambient Collection, and World Collection are available in 30" (762mm) widths by 144" (3.66m) lengths. Artisan Collection sheets are available in 30" (762mm) widths x 120" (3.05m) lengths. Custom sizes may be available on special order products.

Thickness: All NORTH STAR SOLID SURFACE sheets are available in standard thickness of 1/2" (12.7mm).

Colors: A complete selection of granite, gemstone, and architectural solids are available. Custom colors can be matched to order for large projects (20 sheet minimum). Contact North Star for samples.

Finish: The factory finish of NORTH STAR SOLID SURFACE is a matte finish approximating 220 grit sandpaper. A satin sheen or a high polish can be obtained by buffing with prescribed polishing compounds.

Weight: NORTH STAR SOLID SURFACE sheet stock of 1/2" thickness weighs approximately 4.0 lbs. (1.8kg) per square foot.

Working with Translucent Materials

When "Cool Cravings" products are chosen for more typical applications, where less transparency is desired, the backside of the finished top can be painted to hide any supports, etc. to produce a uniform appearance for the entire surface. The following colors are recommended:

Benjamin Moore	CC40 Cloud White
Sherwin Williams	SW7102

Maintenance

NORTH STAR SOLID SURFACE surfaces may be easily cleaned using conventional cleaning agents such as an ammonia based liquid cleaner (glass cleaner). Dry stains on a matte finish can be removed with a 3M Scotch Brite scouring pad or a mild abrasive cleanser. Burns or scorches can be removed by sanding with coarse grit sandpaper followed by finer grit sandpaper. Follow sanding with a 3M Scotch Brite 7447 red pad (or equivalent) to match finish of sanded area to surrounding area. A final buffing is required on polished surfaces. Accidental nicks or chips can be repaired by your local qualified fabricator.

Stain and Chemical Resistance

The test method used was NEMA LD3-3.9 (see table). No lasting effect was noted after the prescribed exposure to common reagents.

Sanitary Use

NORTH STAR SOLID SURFACE has been tested and approved by the National Sanitation Foundation (NSF). Its inert and non-porous surface will not support the growth of bacteria and is ideal for food service and health-care facilities.

Flammability Rating

NORTH STAR SOLID SURFACE colors are Class III rated and meet all requirements for residential use and most commercial applications.*

Fabrication and Installation

NORTH STAR SOLID SURFACE should always be fabricated and installed by authorized fabricators. A list of qualified fabricators in your area is available from your North Star representative.

Warranty

All NORTH STAR SOLID SURFACE products carry a 10 year warranty when properly installed by an authorized fabricator. For more information, contact your North Star representative at 800-383-9784.

Availability

NORTH STAR SOLID SURFACE is available through North Star by calling 800-383-9784 or visiting us online at www.nssurfaces.com.

Technical Support and Services

Contact North Star toll free at 800-383-9784, in the Minneapolis/St. Paul metropolitan area at 651-602-3200, or visit us online at www.nssurfaces.com. E-mail may be sent to techsupport@nssurfaces.com



*Michaelangelo Marble, DaVinci Truffle, and Van Gogh Blue are Class I rated.



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TECHNICAL DATA

Property Tested	Standard	Typical Results <i>Class III</i>
Specific Gravity	(oz./in ³)	0.92
Hardness	ASTM D2583	60
Elongation (percent)	ASTM D638	0.43
Tensile strength (psi)	ASTM D638	4,045
Tensile modulus (psi)	ASTM D638	1.04 x 10 ⁵
Abrasion resistance (1000 cycles, grams)	ASTM C501	0.53
Water absorption (after 24 hours, percent)	ASTM D570	0.03
Izod impact (foot pounds per inch)	ASTM D256	0.69
Impact resistance ½ lb	NEMA LD3-3.3	No fracture
Linear-thermal expansion	ASTM D696	11.7 x 10 ⁻⁵ m/m °C
High temperature resistance	NEMA LD3-3.6	No effect
Boiling Water resistance	NEMA LD3-3.5	No effect
Stain resistance	NEMA LD3-3.9	No effect
Weight per square foot (½" thickness, lbs.)		4.0
Flame spread classification	ASTM E84	III

SHEET SIZES

Collection	Thickness	Width	Length
Ambient	1/2"	30"	144"
Artisan	1/2"	30"	120"
Cool Cravings	1/2"	30"	144"
World	1/2"	30"	144"

SUGGESTED SHORT FORM SPECIFICATION

Scope of Work

Provide NORTH STAR SOLID SURFACE material as shown on the drawings and specifications herein:

Materials

NORTH STAR SOLID SURFACE sheets shall be supplied by North Star (800-383-9784).

Contact Name: _____
Product shall be cut to size, seamed, and detailed by qualified fabricator/contractor in accordance with approved shop drawings. Colors shall be (specify) _____, and surface finish shall be (matte, satin, gloss) _____.

Shop Drawings

Prior to fabrication, the contractor shall furnish and submit detailed shop drawings for the approval of the architect/designer, showing accurate dimensions and details of all NORTH STAR SOLID SURFACE work.

Fabrication and Installation

The fabrication and installation of all NORTH STAR SOLID SURFACE surfaces detailed in this section shall be performed by an authorized fabrication shop in accordance with the manufacturer's printed instructions and final shop drawings.

