



1. COLLECTION NAME

Shen

2. MANUFACTURER

Fiandre USA

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Chicago, IL 60654

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Fax: 1 630.285.1815

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3. PRODUCT DESCRIPTION

Recommended Applications:

Ideally suited for commercial and residential settings such as hotel lobbies, restaurants, shopping malls, airports, schools, and residential floors and walls.

Finishes/Textures:

Honed Finish – Rectified – Colored Body

Size/thickness:

24" x 48" x 5/16" nominal *(8 mm)

12" x 24" x 5/16" nominal *(8 mm)

8" x 48" x 5/16" nominal *(8 mm)

Additional Sizes:

12" x 12" x 5/16" nominal *(8 mm) Mosaic

6" x 12" x 5/16" nominal *(8 mm) Cove Base

4" x 24" x 5/16" nominal *(8 mm) Bullnose

**denotes work size per ISO 10545-2*

Recommended Grout Joint: 3/32" or greater

All sizes modular with 3/16" grout joint (≈5 mm)

Grout joints of 1/8" inch or less, especially with larger format tiles or running bond patterns, may require floor flatness values in excess of the 1/4" in 10' (or 1/16" in 1.0') standard required by ANSI.

**For patterns with running bond/brick joints patterns
Fiandre recommends a maximum of 33% offset.**

Fiandre Trim System

Fiandre System offers a wide variety of bullnose, cove and corner trims, mosaics tiles, borders and accents. All info and details can be found on **Fiandre USA Product Catalogue**.

4. PHYSICAL PROPERTIES

Physical – Visual Properties	ASTM TEST	Industry Standard	Fiandre Results
Water absorption	C373	Impervious <0.5%	≤0.1%
Thickness Dimension	C499	Range ± 0.04 Inc. Max.	≤ ±0.04 Inc.
Facial Dimension	C499	± 0.25 %	≤ ± 0.25%
Warpage average diagonal	C485	±0.40 %	≤ ± 0.40%
Warpage average edge	C485	±0.40 %	≤ ± 0.40%
Wedging	C502	± 0.25 %	≤ ± 0.25%
Bond Strength	C482	≥ 50 psi	≥ 200 psi
Breaking Strength	C648	≥250 lbf.	≥ 400 lbf.
Hardness (Mohs)	Scratch Test (Not regulated)	Range 0 - 10	≥ 7
Visible Abrasion Resistance for Glazed tiles	C1027	No Requirement, Range 0 - 5	Class 4
Frost Resistance	C1026	No sample must show alterations to surface	No evidence of Damage
Chemical Resistance	C650	No Requirement, Range E - A	Unaffected/ Class A
Stain Resistance	C1378	No Requirement, Range E - A	Class A*
DCOF	BOT 3000	≥0.42*	≥0.55*
Aesthetic Classification	Visual Evaluation Shade & texture	No Requirement, Range V0 -V4	V2

** Refers to products with Matte/Honed/Structured Finish. Fiandre does not recommend polished surfaces in areas exposed to grease, oil or water.*

5. INSTALLATION

Surface preparations:

All installation work using Fiandre USA 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.

All substrates should be between 40 degrees F and 90 degrees F and structurally sound, clean and free of all dirt, oil, grease, paint, concrete sealers or curing compounds as per ANSI A108.01.

Deflection:

Substrate must conform to all state and local building code requirements and ANSI A108.01 for maximum allowable substrate deflection

Movement joints:

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

Installation or setting materials:

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.

6. AVAILABILITY AND COST

Fiandre USA Shen Collection is available from select distributors of ceramic tile and stone.

To find accessible information of delivery and product costs for your area, please contact your nearest Fiandre representative.

See section 2 for available phone numbers and contact information

7. WARRANTY

Fiandre 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.

For further information and details please contact your nearest Fiandre Distributor or Fiandre representative for a written copy of the warranty information.

See section 2 for available phone numbers and contact information.

8. MAINTENANCE

Care and Maintenance Recommendations Guide

Please refer to **Fiandre Care and Maintenance Recommendations Guide** for all technical information as to the care of this collection.

9. TECHNICAL SERVICES

Technical Assistance

Guide Specifications, literature, MSDS, tile samples, details and installation procedures are all available for your use or libraries.

Please contact your nearest Fiandre representative for catalogues, physical samples, and architectural binders.

Continued Education Programs are available – **1 or**

2 hour HSW Learning Units – contact Fiandre's main office to set up a presentation.

See section 2 for available phone numbers.

10. PRODUCTS AVAILABLE

Shen Collection



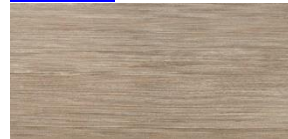
White Shades



Natural



Essence



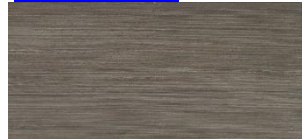
Bamboo



Graylake



Balance Grey



When Internet Connection is available click on hyperlink to get directed to product info on Graniti Fiandre website.