



1. COLLECTION NAME

Metropolis

2. MANUFACTURER

Fiandre USA

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Chicago, IL 60654
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3. PRODUCT INFO

Recommended Applications

Commercial Application Floor: Excellent for any floor and wall commercial application where easy cleanability and low maintenance are a must

Finishes/Textures:

Honed Finish – Rectified

Size/thickness:

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

Additional Sizes:

3" x 24" x 5/16" nominal *(8 mm) Bullnose
4" x 12" x 5/16" nominal *(8 mm) Bullnose
(Crema Only)

**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.
See ANSI A108.02 section 4.3.8

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 3
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*	≥0.52*
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 Preparation:

All installation work using Fiandre 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 Metropolis 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 hour HSW-SD Learning Units** – contact Fiandre's main office to set up a presentation.

See section 2 for available phone numbers.

10. PRODUCTS AVAILABLE

[Metropolis Collection](#)



[Metropolis Blanco](#)



[Metropolis Crema](#)



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