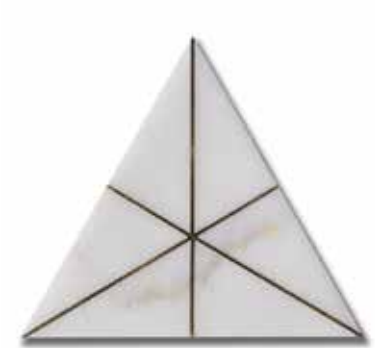


# ETHEREAL FLICKER CALACATTA (H) W/ BRASS

Stone, Marble, Metal, Mixed Media / Flicker Calacatta H with Brass



PART NUMBER  
MB1203-FLCKH0

AVAILABILITY  
IN STOCK

DIMENSIONS  
8" equilateral = .19 sqft

THICKNESS  
10mm

PROFILE  
MOSAICS

GROUT JOINT  
1/8"

SEALER  
YES

## ENVIRONMENTS

WALL	FLOOR	INTERIOR	EXTERIOR FREEZE/THAW	STEAM SHOWER	WET AREA	POOL	REPEAT
Yes	Yes	Yes	No	No	No	No	No

## TECHNICAL DATA

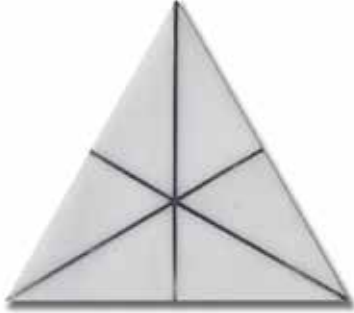
FEATURES	SPECIFICATION	STANDARD
Frost resistance	No	UNE-ENISO-10545-12
DCOF		ANSI A137.1
Heat Resistance	Heat not to exceed 293° F	96/603/CE
TRAFFIC	Standard Commercial	NA

AKDO'S ETHEREAL COLLECTION MOSAICS IN CALACATTA W/ BRASS ARE CRAFTED USING REAL BRASS INLAY. AS A NATURAL MATERIAL, BRASS IS PRONE TO OXIDATION; A CHEMICAL REACTION THAT OCCURS OVER TIME FROM EXPOSURE TO AIR. WHILE BRASS HAS LONG BEEN PRIZED FOR ITS RES

For detailed installation instructions, visit [akdo.com](http://akdo.com).

# ETHEREAL FLICKER CARRARA BELLA (H) W/ STAINLESS STEEL

Stone, Marble, Metal, Mixed Media / Flicker Carrara Bella H with Stainless Steel



PART NUMBER  
MB1604-FLCKHO

AVAILABILITY  
IN STOCK

DIMENSIONS  
8" equilateral = .19 sqft

THICKNESS  
10mm

PROFILE  
MOSAICS

GROUT JOINT  
1/8"

SEALER  
YES

## ENVIRONMENTS

WALL	FLOOR	INTERIOR	EXTERIOR FREEZE/THAW	STEAM SHOWER	WET AREA	POOL	REPEAT
Yes	Yes	Yes	No	No	Yes, when sealed properly.	No	No

## TECHNICAL DATA

FEATURES	SPECIFICATION	STANDARD
Frost resistance	No	UNE-ENHSO-10545-12
DCOF		ANSI A137.1
Heat Resistance	Heat not to exceed 293° F	96/603/CE
TRAFFIC	Standard Commercial	NA

EPOXY GROUT SHOULD BE USED WHEN INSTALLING ETHEREAL MOSAICS. FOR MORE INFORMATION, PLEASE DOWNLOAD THE ETHEREAL COLLECTION'S INSTALLATION GUIDELINES.

For detailed installation instructions, visit [akdo.com](http://akdo.com).

# ETHEREAL GLEAM CALACATTA (H) W/ BRASS

Stone, Marble, Metal, Mixed Media / Gleam Calacatta H with Brass



PART NUMBER  
MB1203-GLAMH0

AVAILABILITY  
IN STOCK

DIMENSIONS  
8" equilateral = .19 sqft

THICKNESS  
10mm

PROFILE  
MOSAICS

GROUT JOINT  
1/8"

SEALER  
YES

## ENVIRONMENTS

WALL	FLOOR	INTERIOR	EXTERIOR FREEZE/THAW	STEAM SHOWER	WET AREA	POOL	REPEAT
Yes	Yes	Yes	No	No	No	No	No

## TECHNICAL DATA

FEATURES	SPECIFICATION	STANDARD
Frost resistance	No	UNE-EN-ISO-10545-12
DCOF		ANSI A137.1
Heat Resistance	Heat not to exceed 293° F	96/603/CE
TRAFFIC	Standard Commercial	NA

AKDO'S ETHEREAL COLLECTION MOSAICS IN CALACATTA W/ BRASS ARE CRAFTED USING REAL BRASS INLAY. AS A NATURAL MATERIAL, BRASS IS PRONE TO OXIDATION; A CHEMICAL REACTION THAT OCCURS OVER TIME FROM EXPOSURE TO AIR. WHILE BRASS HAS LONG BEEN PRIZED FOR ITS RES

For detailed installation instructions, visit [akdo.com](http://akdo.com).

# ETHEREAL GLEAM CARRARA BELLA (H) W/ STAINLESS STEEL

Stone, Marble, Metal, Mixed Media / Gleam Carrara Bella H with Stainless Steel



PART NUMBER  
MB1604-GLAMHO

AVAILABILITY  
IN STOCK

DIMENSIONS  
8" equilateral = .19 sqft

THICKNESS  
10mm

PROFILE  
MOSAICS

GROUT JOINT  
1/8"

SEALER  
YES

## ENVIRONMENTS

WALL	FLOOR	INTERIOR	EXTERIOR FREEZE/THAW	STEAM SHOWER	WET AREA	POOL	REPEAT
Yes	Yes	Yes	No	No	Yes, when sealed properly.	No	No

## TECHNICAL DATA

FEATURES	SPECIFICATION	STANDARD
Frost resistance	No	UNE-ENISO-10545-12
DCOF		ANSI A137.1
Heat Resistance	Heat not to exceed 293° F	96/603/CE
TRAFFIC	Standard Commercial	NA

EPOXY GROUT SHOULD BE USED WHEN INSTALLING ETHEREAL MOSAICS. FOR MORE INFORMATION, PLEASE DOWNLOAD THE ETHEREAL COLLECTION'S INSTALLATION GUIDELINES.

For detailed installation instructions, visit [akdo.com](http://akdo.com).

# ETHEREAL PRISM CALACATTA (H) W/ BRASS

Stone, Marble, Metal, Mixed Media / Prism Calacatta H with Brass



PART NUMBER  
MB1203-PRSMHO

AVAILABILITY  
IN STOCK

DIMENSIONS  
8" equilateral = .19sqft

THICKNESS  
10mm

PROFILE  
MOSAICS

GROUT JOINT  
1/8"

SEALER  
YES

## ENVIRONMENTS

WALL	FLOOR	INTERIOR	EXTERIOR FREEZE/THAW	STEAM SHOWER	WET AREA	POOL	REPEAT
Yes	Yes	Yes	No	No	No	No	No

## TECHNICAL DATA

FEATURES	SPECIFICATION	STANDARD
Frost resistance	No	UNE-EN-ISO-10545-12
DCOF		ANSI A137.1
Heat Resistance	Heat not to exceed 293° F	96/603/CE
TRAFFIC	Standard Commercial	NA

AKDO'S ETHEREAL COLLECTION MOSAICS IN CALACATTA W/ BRASS ARE CRAFTED USING REAL BRASS INLAY. AS A NATURAL MATERIAL, BRASS IS PRONE TO OXIDATION; A CHEMICAL REACTION THAT OCCURS OVER TIME FROM EXPOSURE TO AIR. WHILE BRASS HAS LONG BEEN PRIZED FOR ITS RES

For detailed installation instructions, visit [akdo.com](http://akdo.com).

# ETHEREAL PRISM CARRARA BELLA (H) W/ STAINLESS STEEL

Stone, Marble, Metal, Mixed Media / Prism Carrara Bella H with Stainless Steel



PART NUMBER  
MB1604-PRSMH0

AVAILABILITY  
IN STOCK

DIMENSIONS  
8" equilateral = .19sqft

THICKNESS  
10mm

PROFILE  
MOSAICS

GROUT JOINT  
1/8"

SEALER  
YES

## ENVIRONMENTS

WALL	FLOOR	INTERIOR	EXTERIOR FREEZE/THAW	STEAM SHOWER	WET AREA	POOL	REPEAT
Yes	Yes	Yes	No	No	Yes, when sealed properly.	No	No

## TECHNICAL DATA

FEATURES	SPECIFICATION	STANDARD
Frost resistance	No	UNE-ENISO-10545-12
DCOF		ANSI A137.1
Heat Resistance	Heat not to exceed 293° F	96/603/CE
TRAFFIC	Standard Commercial	NA

EPOXY GROUT SHOULD BE USED WHEN INSTALLING ETHEREAL MOSAICS. FOR MORE INFORMATION, PLEASE DOWNLOAD THE ETHEREAL COLLECTION'S INSTALLATION GUIDELINES.

For detailed installation instructions, visit [akdo.com](http://akdo.com).

# ETHEREAL TRIANGLE CALACATTA (H) *Stone, Marble*



PART NUMBER  
MB1203-AURAH0

AVAILABILITY  
IN STOCK

DIMENSIONS  
8" equilateral = .19 sqft

THICKNESS  
10mm

PROFILE  
MOSAICS

GROUT JOINT  
1/8"

SEALER  
YES

## ENVIRONMENTS

WALL	FLOOR	INTERIOR	EXTERIOR FREEZE/THAW	STEAM SHOWER	WET AREA	POOL	REPEAT
Yes	Yes	Yes	No	No	Yes, when sealed properly.	No	No

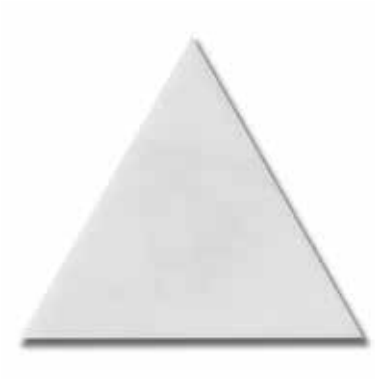
## TECHNICAL DATA

FEATURES	SPECIFICATION	STANDARD
Frost resistance	No	UNE-ENISO-10545-12
DCOF		ANSI A137.1
Heat Resistance	Heat not to exceed 293° F	96/603/CE
TRAFFIC	Standard Commercial	NA

EPOXY GROUT SHOULD BE USED WHEN INSTALLING ETHEREAL MOSAICS. FOR MORE INFORMATION, PLEASE DOWNLOAD THE ETHEREAL COLLECTION'S INSTALLATION GUIDELINES.

For detailed installation instructions, visit [akdo.com](http://akdo.com).

# ETHEREAL TRIANGLE CARRARA BELLA (H) *Stone, Marble*



PART NUMBER  
**MB1604-AURAH0**

AVAILABILITY  
**IN STOCK**

DIMENSIONS  
**8" equilateral = .19sqft**

THICKNESS  
**10mm**

PROFILE  
**MOSAICS**

GROUT JOINT  
**1/8"**

SEALER  
**YES**

## ENVIRONMENTS

WALL	FLOOR	INTERIOR	EXTERIOR FREEZE/THAW	STEAM SHOWER	WET AREA	POOL	REPEAT
Yes	Yes	Yes	No	No	Yes, when sealed properly.	No	No

## TECHNICAL DATA

FEATURES	SPECIFICATION	STANDARD
Frost resistance	No	UNE-ENISO-10545-12
DCOF		ANSI A137.1
Heat Resistance	Heat not to exceed 293° F	96/603/CE
TRAFFIC	Standard Commercial	NA

EPOXY GROUT SHOULD BE USED WHEN INSTALLING ETHEREAL MOSAICS. FOR MORE INFORMATION, PLEASE DOWNLOAD THE ETHEREAL COLLECTION'S INSTALLATION GUIDELINES.

For detailed installation instructions, visit [akdo.com](http://akdo.com).



# ETHEREAL LUNA CALACATTA (H) W/ BRASS

Stone, Marble, Metal, Mixed Media / Luna Calacatta H with Brass



PART NUMBER  
MB1203-LUNAH0

AVAILABILITY  
IN STOCK

DIMENSIONS  
12" x 12" = 1 sqft

THICKNESS  
4mm

PROFILE  
MOSAICS

GROUT JOINT  
1/16"

SEALER  
YES

## ENVIRONMENTS

WALL	FLOOR	INTERIOR	EXTERIOR FREEZE/THAW	STEAM SHOWER	WET AREA	POOL	REPEAT
Yes	Yes	Yes	No	No	No	No	No

## TECHNICAL DATA

FEATURES	SPECIFICATION	STANDARD
Frost resistance	No	UNE-ENISO-10545-12
DCOF		ANSI A137.1
Heat Resistance	Heat not to exceed 293° F	96/603/CE
TRAFFIC	Standard Commercial	NA

AKDO'S ETHEREAL COLLECTION MOSAICS IN CALACATTA W/ BRASS ARE CRAFTED USING REAL BRASS INLAY. AS A NATURAL MATERIAL, BRASS IS PRONE TO OXIDATION; A CHEMICAL REACTION THAT OCCURS OVER TIME FROM EXPOSURE TO AIR. WHILE BRASS HAS LONG BEEN PRIZED FOR ITS RES

For detailed installation instructions, visit [akdo.com](http://akdo.com).

# ETHEREAL LUNA CARRARA BELLA (H) W/ STAINLESS STEEL

Stone, Marble, Metal, Mixed Media / Luna carrara Bella H with Stainless Steel



PART NUMBER  
MB1604-LUNAH0

PROFILE  
MOSAICS

AVAILABILITY  
IN STOCK

GROUT JOINT  
1/16"

DIMENSIONS  
12" x 12" = 1sqft

SEALER  
YES

THICKNESS  
4mm

## ENVIRONMENTS

WALL	FLOOR	INTERIOR	EXTERIOR FREEZE/THAW	STEAM SHOWER	WET AREA	POOL	REPEAT
Yes	Yes	Yes	No	No	Yes, when sealed properly.	No	No

## TECHNICAL DATA

FEATURES	SPECIFICATION	STANDARD
Frost resistance	No	UNE-EN-ISO-10545-12
DCOF		ANSI A137.1
Heat Resistance	Heat not to exceed 293° F	96/603/CE
TRAFFIC	Standard Commercial	NA

EPOXY GROUT SHOULD BE USED WHEN INSTALLING ETHEREAL MOSAICS. FOR MORE INFORMATION, PLEASE DOWNLOAD THE ETHEREAL COLLECTION'S INSTALLATION GUIDELINES.

For detailed installation instructions, visit [akdo.com](http://akdo.com).

# ETHEREAL NOVA CALACATTA W/ BRASS (H)

Stone, Marble, Metal, Mixed Media / Nova calacatta H with Brass



PART NUMBER  
MB1203-NOVAH0

AVAILABILITY  
IN STOCK

DIMENSIONS  
16" x 11-1/4" = 1.25 sqft

THICKNESS  
4mm

PROFILE  
MOSAICS

GROUT JOINT  
1/16"

SEALER  
YES

## ENVIRONMENTS

WALL	FLOOR	INTERIOR	EXTERIOR FREEZE/THAW	STEAM SHOWER	WET AREA	POOL	REPEAT
Yes	Yes	Yes	No	No	No	No	No

## TECHNICAL DATA

FEATURES	SPECIFICATION	STANDARD
Frost resistance	No	UNE-ENISO-10545-12
DCOF		ANSI A137.1
Heat Resistance	Heat not to exceed 293° F	96/603/CE
TRAFFIC	Standard Commercial	NA

AKDO'S ETHEREAL COLLECTION MOSAICS IN CALACATTA W/ BRASS ARE CRAFTED USING REAL BRASS INLAY. AS A NATURAL MATERIAL, BRASS IS PRONE TO OXIDATION; A CHEMICAL REACTION THAT OCCURS OVER TIME FROM EXPOSURE TO AIR. WHILE BRASS HAS LONG BEEN PRIZED FOR ITS RES

For detailed installation instructions, visit [akdo.com](http://akdo.com).

# ETHEREAL NOVA CARRARA BELLA (H) W/ STAINLESS STEEL

Stone, Marble, Metal, Mixed Media / Nova Carrara Bella H with Stainless Steel



PART NUMBER  
MB1604-NOVAH0

AVAILABILITY  
IN STOCK

DIMENSIONS  
16" x 11.25" = 1.25 sqft

THICKNESS  
4mm

PROFILE  
MOSAICS

GROUT JOINT  
1/16"

SEALER  
YES

## ENVIRONMENTS

WALL	FLOOR	INTERIOR	EXTERIOR FREEZE/THAW	STEAM SHOWER	WET AREA	POOL	REPEAT
Yes	Yes	Yes	No	No	Yes, when sealed properly.	No	No

## TECHNICAL DATA

FEATURES	SPECIFICATION	STANDARD
Frost resistance	No	UNE-EN-ISO-10545-12
DCOF		ANSI A137.1
Heat Resistance	Heat not to exceed 293° F	96/603/CE
TRAFFIC	Standard Commercial	NA

EPOXY GROUT SHOULD BE USED WHEN INSTALLING ETHEREAL MOSAICS. FOR MORE INFORMATION, PLEASE DOWNLOAD THE ETHEREAL COLLECTION'S INSTALLATION GUIDELINES.

For detailed installation instructions, visit [akdo.com](http://akdo.com).

# ETHEREAL STELLA CALACATTA (H) W/ BRASS

Stone, Marble, Metal, Mixed Media / Stella Calacatta H with Brass



PART NUMBER  
MB1203-STLAH0

AVAILABILITY  
IN STOCK

DIMENSIONS  
10.25" x 8.75" = .63 sqft

THICKNESS  
4mm

PROFILE  
MOSAICS

GROUT JOINT  
1/16"

SEALER  
YES

## ENVIRONMENTS

WALL	FLOOR	INTERIOR	EXTERIOR FREEZE/THAW	STEAM SHOWER	WET AREA	POOL	REPEAT
Yes	Yes	Yes	No	No	No	No	No

## TECHNICAL DATA

FEATURES	SPECIFICATION	STANDARD
Frost resistance	No	UNE-ENISO-10545-12
DCOF		ANSI A137.1
Heat Resistance	Heat not to exceed 293° F	96/603/CE
TRAFFIC	Standard Commercial	NA

AKDO'S ETHEREAL COLLECTION MOSAICS IN CALACATTA W/ BRASS ARE CRAFTED USING REAL BRASS INLAY. AS A NATURAL MATERIAL, BRASS IS PRONE TO OXIDATION; A CHEMICAL REACTION THAT OCCURS OVER TIME FROM EXPOSURE TO AIR. WHILE BRASS HAS LONG BEEN PRIZED FOR ITS RES

For detailed installation instructions, visit [akdo.com](http://akdo.com).

# ETHEREAL STELLA CARRARA BELLA (H) W/ STAINLESS STEEL

Stone, Marble, Metal, Mixed Media / Stella Carrara Bella H with Stainless Steel



PART NUMBER  
MB1604-STLAH0

AVAILABILITY  
IN STOCK

DIMENSIONS  
10.25" x 8.75" = .63 sqft

THICKNESS  
4mm

PROFILE  
MOSAICS

GROUT JOINT  
1/16"

SEALER  
YES

## ENVIRONMENTS

WALL	FLOOR	INTERIOR	EXTERIOR FREEZE/THAW	STEAM SHOWER	WET AREA	POOL	REPEAT
Yes	Yes	Yes	No	No	Yes, when sealed properly.	No	No

## TECHNICAL DATA

FEATURES	SPECIFICATION	STANDARD
Frost resistance	No	UNE-ENISO-10545-12
DCOF		ANSI A137.1
Heat Resistance	Heat not to exceed 293° F	96/603/CE
TRAFFIC	Standard Commercial	NA

EPOXY GROUT SHOULD BE USED WHEN INSTALLING ETHEREAL MOSAICS. FOR MORE INFORMATION, PLEASE DOWNLOAD THE ETHEREAL COLLECTION'S INSTALLATION GUIDELINES.

For detailed installation instructions, visit [akdo.com](http://akdo.com).

## **APPROPRIATE AREAS OF USE**

Check [akdo.com](http://akdo.com) for the appropriate areas of use for your stone selection. All stones are appropriate for interior use only.

## **SURFACE PREPARATION**

### **Substrate Preparation**

Appropriate substrates: concrete, masonry, existing well bonded ceramic tile, proper tiling underlayment over wood or steel framed construction.

### **Natural Stone Substrate Deflection Requirements**

All natural stone tile installations over framed construction require a substrate deflection rating of L/720. See the Tile Council of North America (TCNA) handbook for complete details regarding specific methods of preparing substrates for natural stone installation.

### **General Substrate Requirements**

All substrates must be flat, smooth and free of all surface contaminants that could act as a bond breaker. Overly absorbent as well as non-absorbent substrates require priming prior to installation. A surface flatness of 1/4" in 10' is required for all tile and stone installations per TCNA installation guidelines.

### **Crack Isolation**

All existing substrates cracks as well as any area susceptible to future surface cracking requires the installation of a crack isolation membrane meeting ANSI 118.12.

### **Wet Areas**

Installation of a waterproofing membrane meeting ANSI 118.10 prior to installation is recommended for wet areas. Steam Rooms (continuous use) require a waterproofing and vapor retarding membrane with a perm rating of .05 perms or less.

### **Substrate Preparation Products**

- ARDEX Liquid BackerBoard® Self-Leveling Underlayment for Interior Wood and Concrete Subfloors
- ARDEX A 38™ MIX Rapid-Set Pre Mixed Screed
- ARDEX AM 100™ Rapid Set Pre-Tile Smoothing and Ramping Mortar
- ARDEX SKM™ Skimcoat Patch & Finishing Underlayment
- ARDEX 8+9™ Rapid Waterproofing and Crack Isolation Compound (Shower Walls)
- ARDEX SK 175™ Waterproofing Mem-

brane and Vapor Retarder for Tile & Stone Installations (Steam Room Applications)

**For complete information regarding substrate preparation requirements, material selection, required installation tools and application, visit [www.ardexamericas.com](http://www.ardexamericas.com) and view the individual product technical data sheets or contact ARDEX technical service at (888) 512-7339**

## **CUTTING & DRILLING**

### **Stone & Metal Mosaics**

For mixed medium mosaics that combine stone with metal, we recommend the Husqvarna Superlok Glass + Diamond blade.

To create holes, use a 3/8" drill with a water swivel attachment. Drill using drill bit made for metal, at a slow speed.

## **SETTING**

Before installation, dry lay all material to inspect for quality and to determine the best blend of the material. All materials must be acclimated prior to installation, and air and surface temperature must be between 50 F and 80 F during installation. Be sure to clean tiles to remove any dust, dirt or packing contaminants prior to installation.

It is required to select a notch trowel size that will achieve the proper coverage rate and maintain a minimum bed thickness of 3/32". A minimum coverage of 95% is required. Per ANSI A108.5, apply mortar to the substrate using a notched trowel, and place tiles while material is wet and offers transfer. Once setting materials have adequately set (see product specifications for dry time) grouting can proceed. Before grouting, treat stone with a grout release product. When applying grout release to mixed medium mosaics that combines stone with other materials, thoroughly wipe off excess grout release from non-stone materials to avoid build up.

Only epoxy grout should be used with Ethereal mosaics.

Honor all expansion and moving joints in accordance with TCNA EJ 171. In addition, all perimeter and change of plane

areas must be filled with an appropriate flexible sealant (ARDEX SX™ 100% Silicone Sealant for Tile and Stone Applications).

### **Recommended Mortar and Adhesive**

- ARDEX N 23™ Natural Stone Mortar

### **Recommended Grout Release**

- FILA MP90 Eco Plus (for polished acid sensitive stones like marble, travertine, limestone, or for mixed medium mosaics that combines stone with other materials)
- FILA PRV200 (for natural finishes like honed, etched, sand blasted)

### **Recommended Grout**

- ARDEX WAT™ High Performance, 100% Solids Epoxy Grout and Adhesive

### **Caulking**

- ARDEX SX™ 100% Silicone Sealant for Tile and Stone Applications

**See complete setting material product technical information and installation instruction at [ardexamericas.com](http://ardexamericas.com).**

**For complete information regarding grout release products from FILA, visit [filasolutions.com](http://filasolutions.com) or call 844-FILA123**

## **SEALING**

Using a soft, clean cloth, apply a penetrating natural stone sealer. For wet areas, two coats of sealer is recommended. When applying sealer to mixed medium mosaics that combines stone with other materials, thoroughly wipe off excess from non-stone materials to avoid build up. Always follow the sealer manufacturer's guidelines.

### **Recommended Sealant**

- FILA MP90 Eco Plus (natural look)
- FILA Stoneplus Eco (enhanced matte look)

**For complete information regarding sealant products from FILA, visit [filasolutions.com](http://filasolutions.com) or call 844-FILA123**

## **CARE & MAINTENANCE**

For day-to-day cleaning, apply a pH neutral cleaner with a soft cloth. Remove the residue with a clean cloth and rinse thoroughly.

**(guidelines continued on next page)**