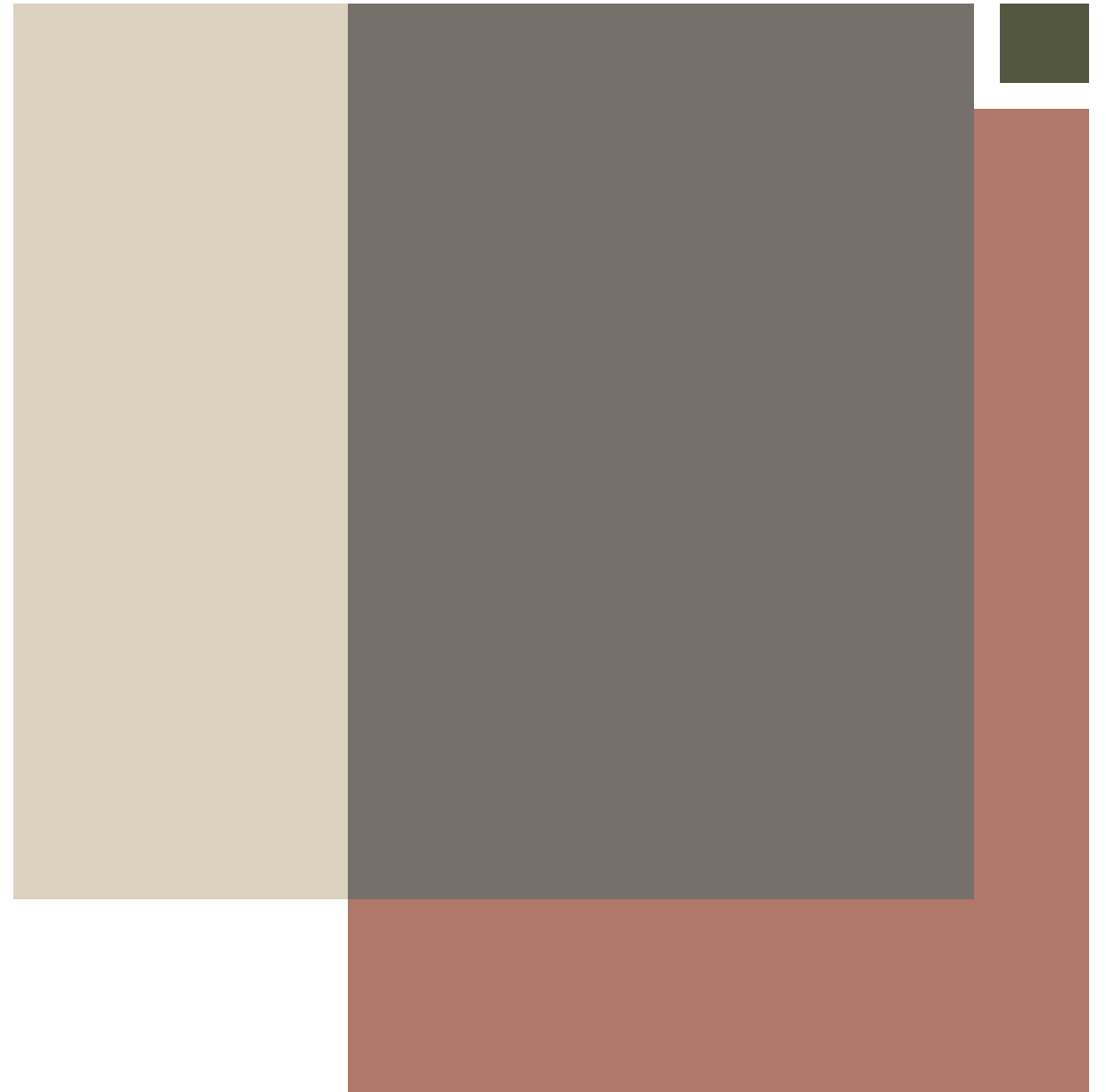


# ***ACE Surfaces***<sup>TM</sup>

*Just Touch it*

**PoliLam**



# ACE Surfaces™

Just Touch it

## Bring Nano Tech to Your Surface

We introduce electron-beam technology for one simple reason: to reduce life's trivial strains to improve our end-user's quality of life.

Whether used for light or heavy use, ACE Surfaces™ are engineered to leave no trace.

Appealing to the senses, ACE Surfaces™ captivate with bold designs and baby skin soft touch.

ACE Surfaces™ are the surfaces of the age. They adapt to everyday touch, use, and wear without the worry of handprint or residue. ACE Surfaces™ conform to suit your living style. They radiate ease, require very little maintenance, and have durable properties. They make cleaning a breeze!




More importantly, low formaldehyde emissions contribute to a healthy lifestyle for ourselves and the environment.

We invite you to explore our ACE Surfaces™ collection.

## ACE Supreme™

### AS

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-  Thermal Self Healing
-  Food Contact
-  Scratch and Abrasion Resistant

## ACE Metal

### MTL




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-  Real Metal Surfaces
-  Abrasion Resistant
-  Solid Core

## ACE Premium™












### AP

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-  Multiple Designs
-  Design Enhancement
-  Abrasion Resistant

## Common Features

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-  Anti-Fingerprint
-  Soft Touch
-  Anti-Bacterial
-  Extremely Matt
-  Low Light Reflectivity
-  Easy Clean
-  Hydro-Repellent
-  Intensity and Color Depth
-  Resistant to Dry-Heat
-  Resistant to Acid-Based Solvents
-  Environmentally Friendly
- CH<sub>2</sub>O** Formaldehyde Free Surface

# ACE Supreme™

A Solid Color Collection



**Slate Ace**  
M0003 AS



**Raven Ace**  
M0006 AS



**Oxford Ace**  
M0010 AS



**Cocoa Ace**  
M0024 AS



**Wine Ace**  
M0012 AS



**Alondra Ace**  
M0020 AS



**Gris Ace**  
M0021 AS



**Grigio Ace**  
M0028 AS



**Grey Ace**  
M0019 AS



**Thunder Ace**  
M0016 AS



**Mink Ace**  
M0027 AS



**Phoenix Ace**  
M0025 AS



**Luxor Ace**  
M0014 AS



**Caetle Ace**  
M0013 AS



**Lasso Ace**  
M0026 AS



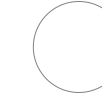
**Champagne Ace**  
M0007 AS



**Blanco Ace**  
M0017 AS



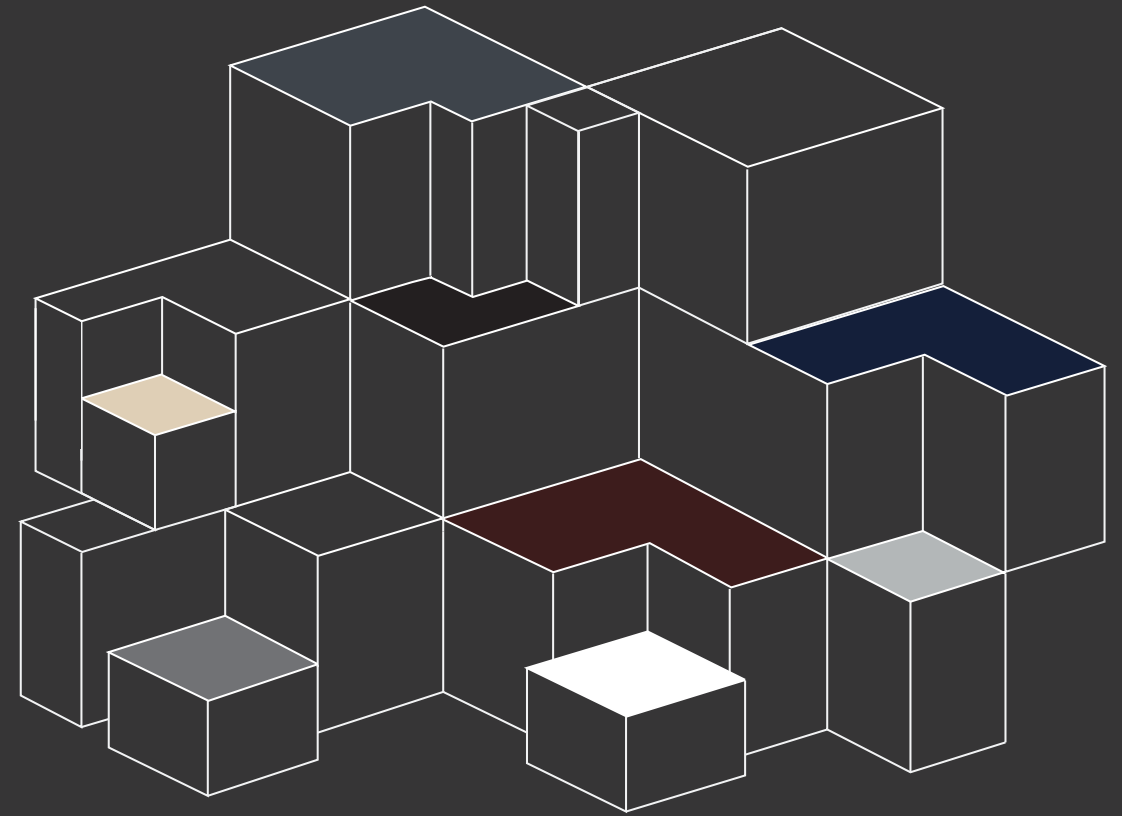
**Snow Ace**  
M0002 AS



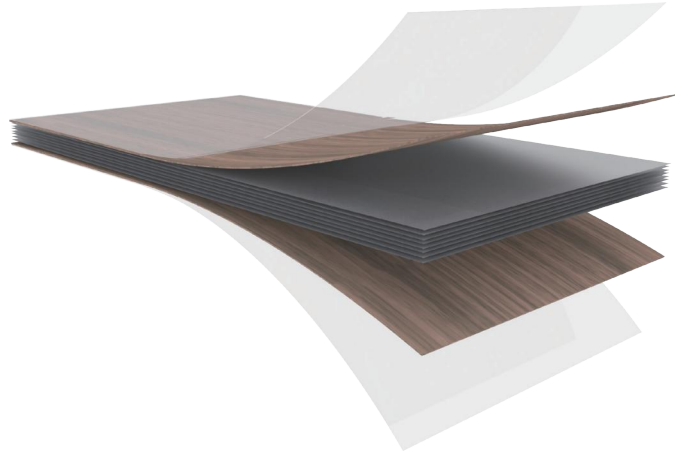
**Cool Ace**  
M0018 AS



**Army Ace**  
M0023 AS







## Compact

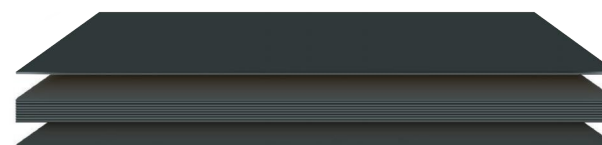
With the improvement of modern quality of life, people's demand for production and living environment is also increasing.

Finding wall materials with excellent characteristics has become a problem that architects and designers need to think about. Some large industrial industries with high environmental requirements, such as: biochemical, pharmaceutical, food, tobacco and other industries, need a high degree of purification of the working environment, but also need to have antibacterial, anti-mildew, anti-yu easy to clean and anti-collision and impact-resistant spacer materials.

It is precisely because of these special needs that the board came into being, made of special resins and a variety of special paper through high temperature and high pressure molding. Its dense density gives it a variety of functional physical properties

In addition to the physical characteristics of the plate itself, the Nitte board also provides designers with a variety of colors, a variety of wood grain, stone texture options, but also to provide a wide range of surface texture treatment to meet the needs of people's personalized space design.





Decorative colored paper layer is treated by electron beam curing  
 Same color melamine core paper  
 The decorative colored paper layer is treated by electron beam curing

### ACE all-body

The ACE all-body plate covers all the characteristics of ordinary netboards in addition to that of ordinary netboards. The color extends from the surface - straight to the back, giving the whole board color continuity. Widely used in indoor space, as a countertop, door panel or toilet cubicle decoration building materials.

The surface of ACE is a functional and decorative new material composed of nanomaterials. The core material part is made of the same color face paper or the same color core paper impregnated with special resin at high temperature and high pressure. Thickness can be adjusted according to the need for the number of kraft paper, from 2mm to 25mm can be made.

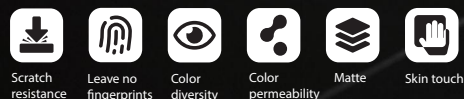
It can meet the decorative needs of a variety of color choices, and because the hardness is better than the traditional special board and fire resistant board, it has the characteristics of strong, impact resistance and moisture resistance, and can become structural materials, and can directly use standard carbon steel alloy tools for drilling, tapping, sanding, guiding, cutting and other work, and can also be carved by CNC machine.

#### Product features:

Solid no pores, low water absorption  
 Strong, impact resistance, moisture resistance, heat resistance, smoke resistance, easy to clean, long product life

#### Excellent workmanship:

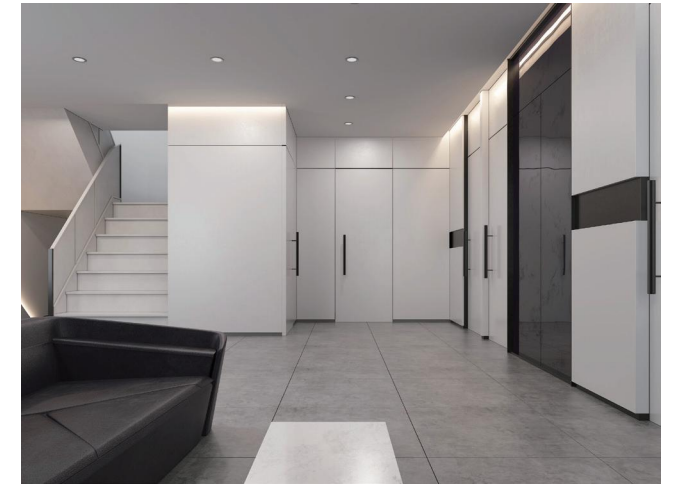
Different patterns can be created by drilling, tapping, sanding, guiding, cutting



Scratch resistance   Leave no fingerprints   Color diversity   Color permeability   Matte   Skin touch



**Snow Ace** M0002 AS



## Airport Lounges

Antibacterial properties are especially suitable for spaces associated with transit and travel. Since 2020, we have had to adapt to a new way of interacting with the people and surfaces around us, and now more than ever, the importance of antibacterial surfaces in public spaces is increasingly evident. Shown here at an airport lounge i Ace Supreme™ Snow Ace, used for tabletops and flat surfaces.



## Kitchen

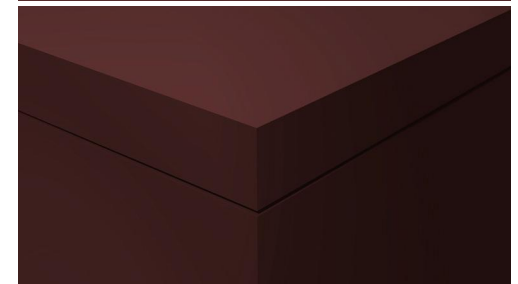
PoliLam is happy to introduce to you one of our new colors, Champagne Ace. A light hue design that is not only trendy, but also timeless.

AS features are already perfect for kitchen spaces, thanks to easy clean and food safety qualities, together with Champagne Ace we set a relaxed tone of understated elegance.



## Furniture

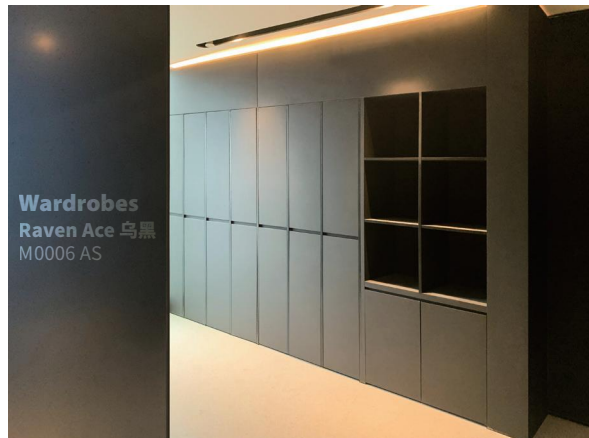
Bold matt colors with intensity and color depth, without the worry of handprint residue.





## Restaurants

Food safety, as well as easy-to-clean surfaces, are two essentials in any restaurant environment. So it's no surprise our classic black Raven Ace has made its way into restaurants—even the oiliest and spiciest kitchens remain unblemished!



## Wardrobes

A chosen surface solution for closets and changing rooms. In high traffic areas it's a safe and suitable surface solution that keeps its aesthetic intact.

## Tabletops

A favorite for office furniture offering an elegant and modern look. It also has impact and scratch resistance properties making it impenetrable and damage proof. So not only is this surface nice to look at, but its features set it apart from the rest. It's the perfect surface for meeting rooms—providing a sleek look, practical functions, and a soft touch.



# ACE Premium™

Ace Premium™ designs aren't limited to just solid colors. Woodgrains, stones, and patterns make up our Ace Premium collection.

**C - Solid Colors**   **W - Wood**   **S - Stone**



**Celeste**  
C0026 AP



**Davy**  
C0032 AP



**Onyx**  
C0076 AP



**Storm**  
C0033 AP



**Soil**  
C0054 AP



**Russell**  
C0034 AP



**Brick**  
C0113 AP



**Tuscan**  
C0056 AP



**Olive**  
C0152 AP



**Lavender**  
C0271 AP



**Nude Pink**  
C0273 AP



**Mustard**  
C0100 AP



**Asphalt**  
S0040 AP



**Comet Ziha**  
S0062A AP



**Solar Ziha**  
S0062C AP



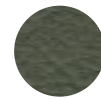
**English Oak**  
W0024 AP



**Ebony Thorn**  
W0080 AP



**Brick**  
C0113 LZ AP



**Olive**  
C0152 LZ AP



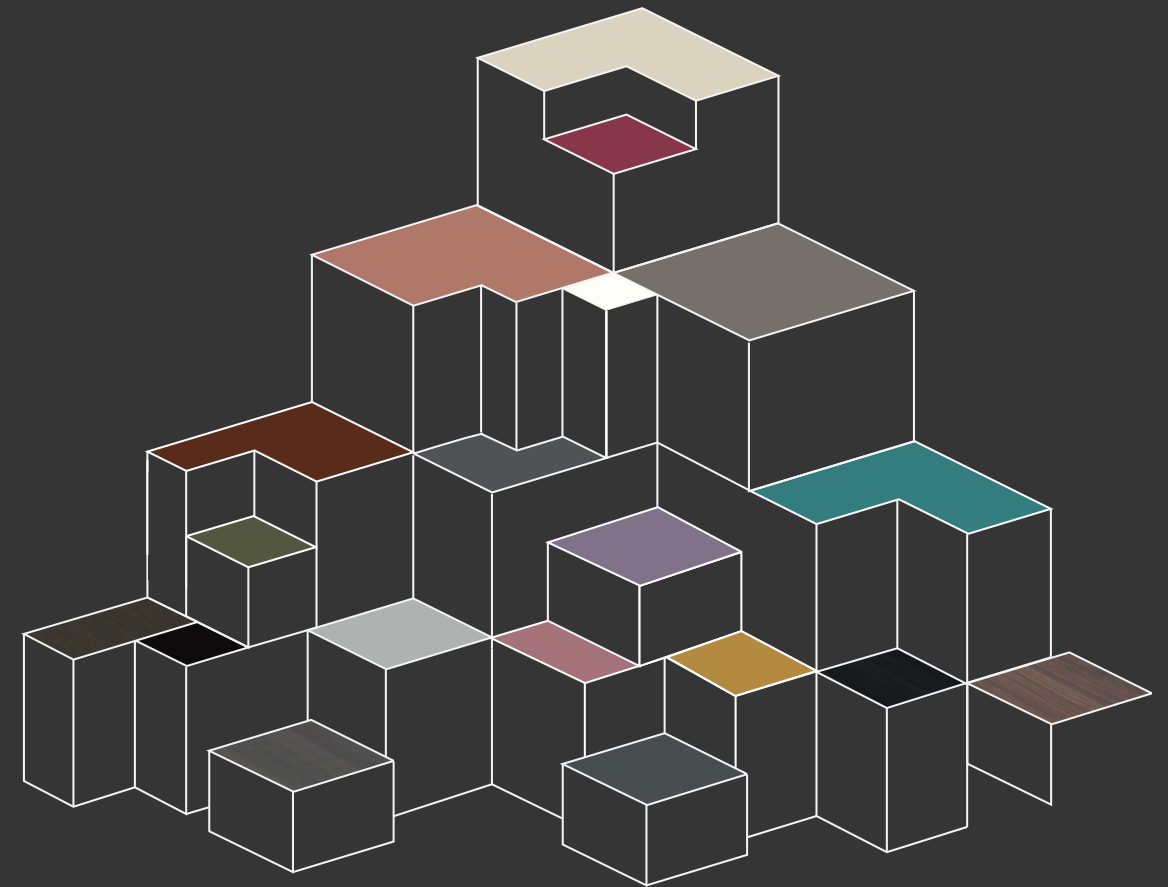
**Denovo Lava**  
S0034B AP



**Russell**  
C0034 LZ AP



**Onyx**  
WC0076 LZ AP





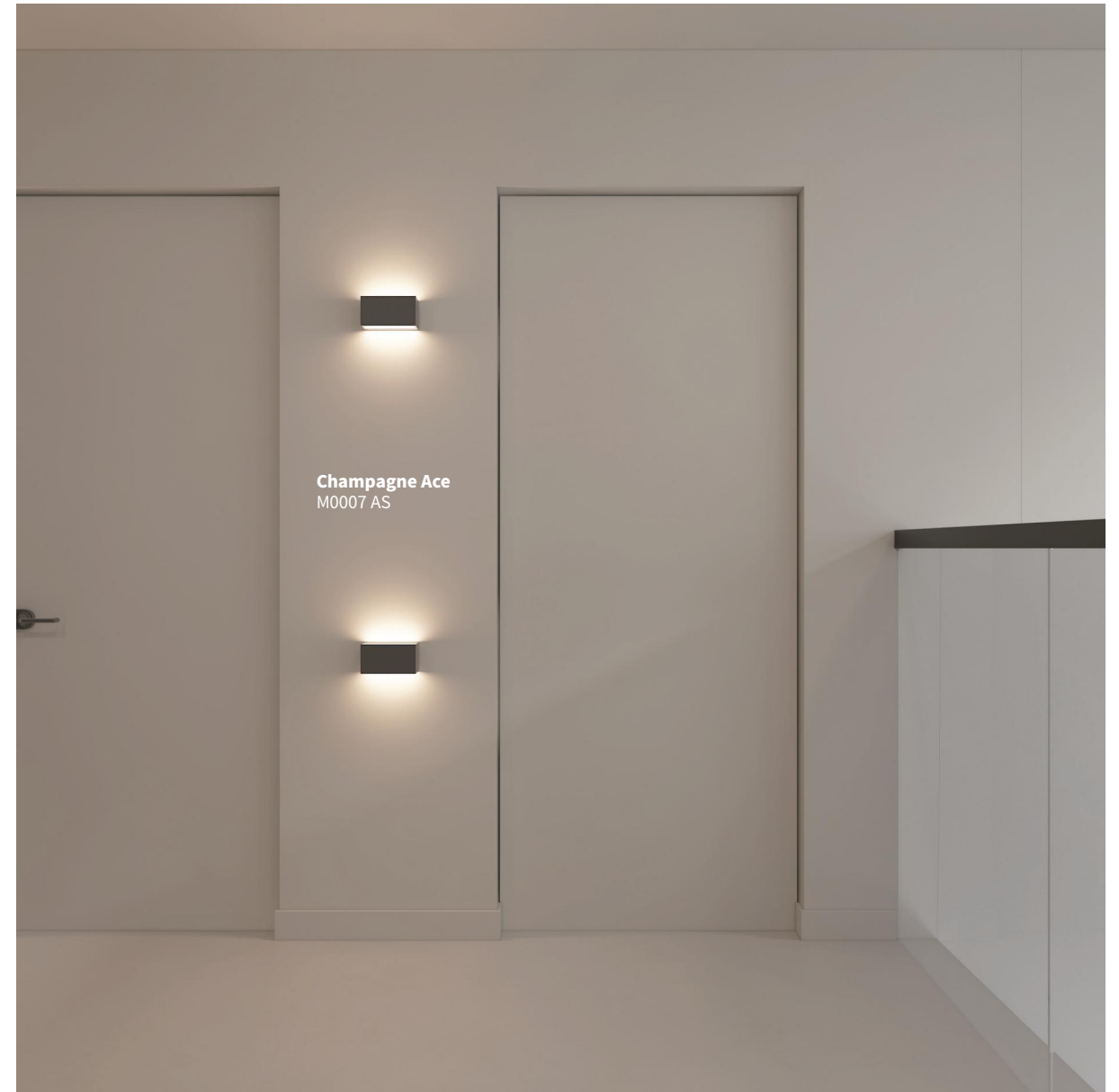
Almond C0013 AP

Onyx C0076 AP



## Kitchen

Our Ace Surfaces™ is a favorite in kitchens because of its many practical features. In particular, food safety, mold resistance, and easy-to-clean properties.



## Coworking

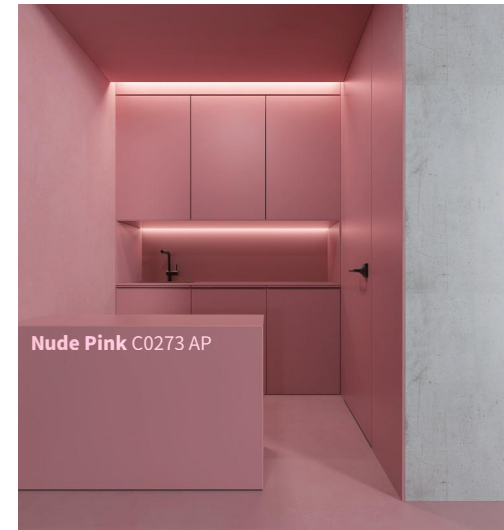
The boldness of Ace Surfaces™ solid-color designs makes them a furniture favorite. Their smooth-touch, easy-clean properties and antibacterial features make them not only a great home and office furniture option but also a necessary component for coworking spaces. Ace Surfaces™ is a suitable product for high-volume areas experiencing daily human contact.



## Reception

This reception area uses the soft grey tones of our Celeste AP. Creating a warm and welcoming space, yet clean and professional. Additionally, its fingerprint resistant qualities enhance its hygiene, an extremely important feature in public areas.

The wall paneling and seating area of our Onyx AP will keep its sleek look no matter how much traffic your reception area receives. Moreover, you can breathe easy knowing these surfaces have anti-bacterial qualities.



## Living Areas

A very important difference between Ace Premium™ and Ace Supreme™ is that Ace Premium™ can be applied to multiple designs, while Ace Supreme™ is only available in solid colors. Ace Premium™ therefore reflects a more design-enhanced décor of woodgrains, stones, patterns, in comparison to traditional laminates.

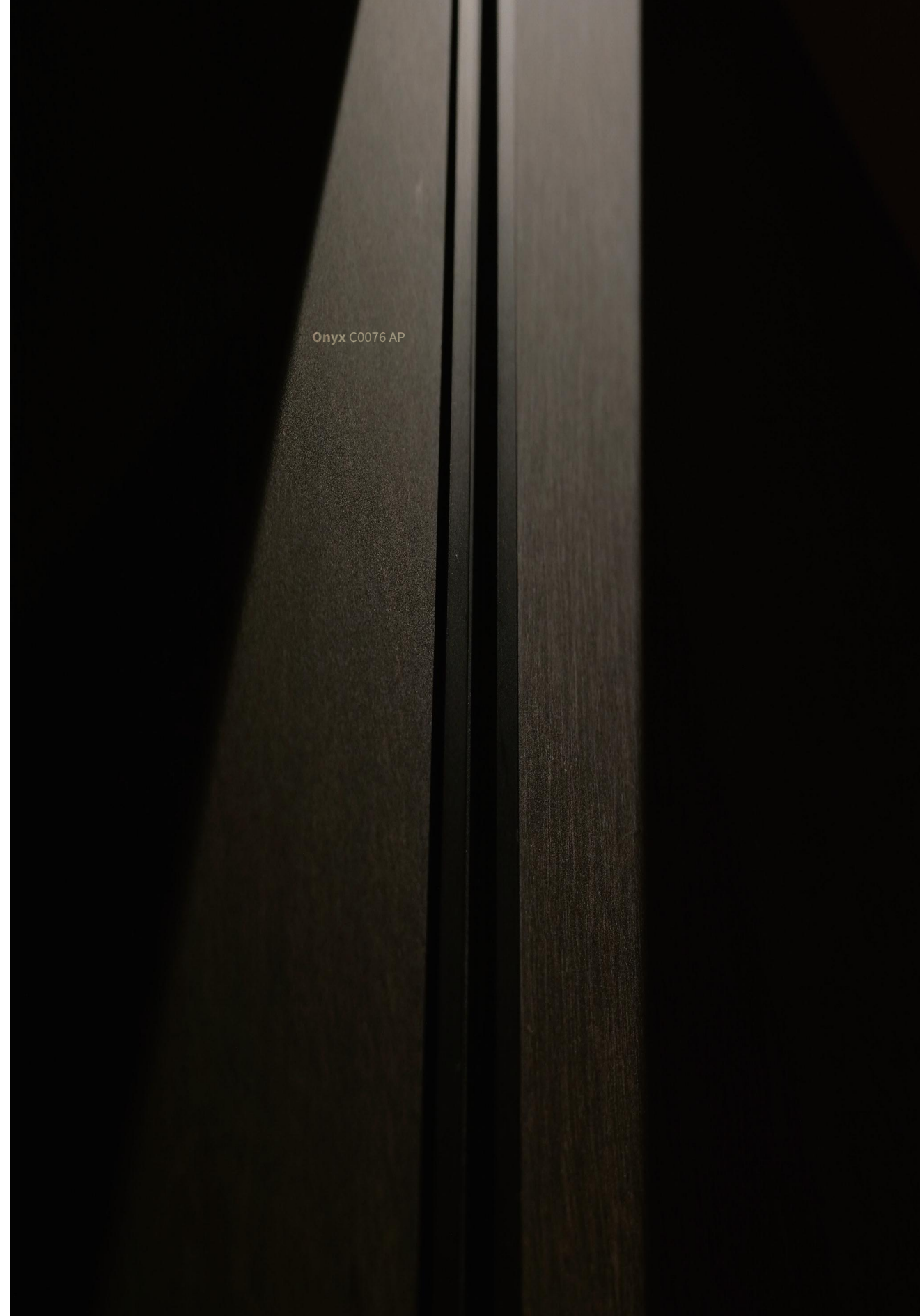
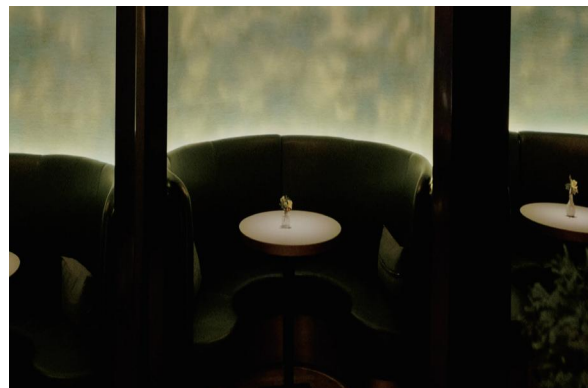


Solar Ziha S0062C AP



## Dining-Table

Our Ace Surfaces™ is a favorite in upscale restaurant  
Because of the anti-fingerprint feature It also has the  
characteristics of food safety, mildew proof, moisture proof,  
waterproof, easy to clean and so on.



Onyx C0076 AP

# ACE MTL

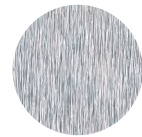
Metal Collection



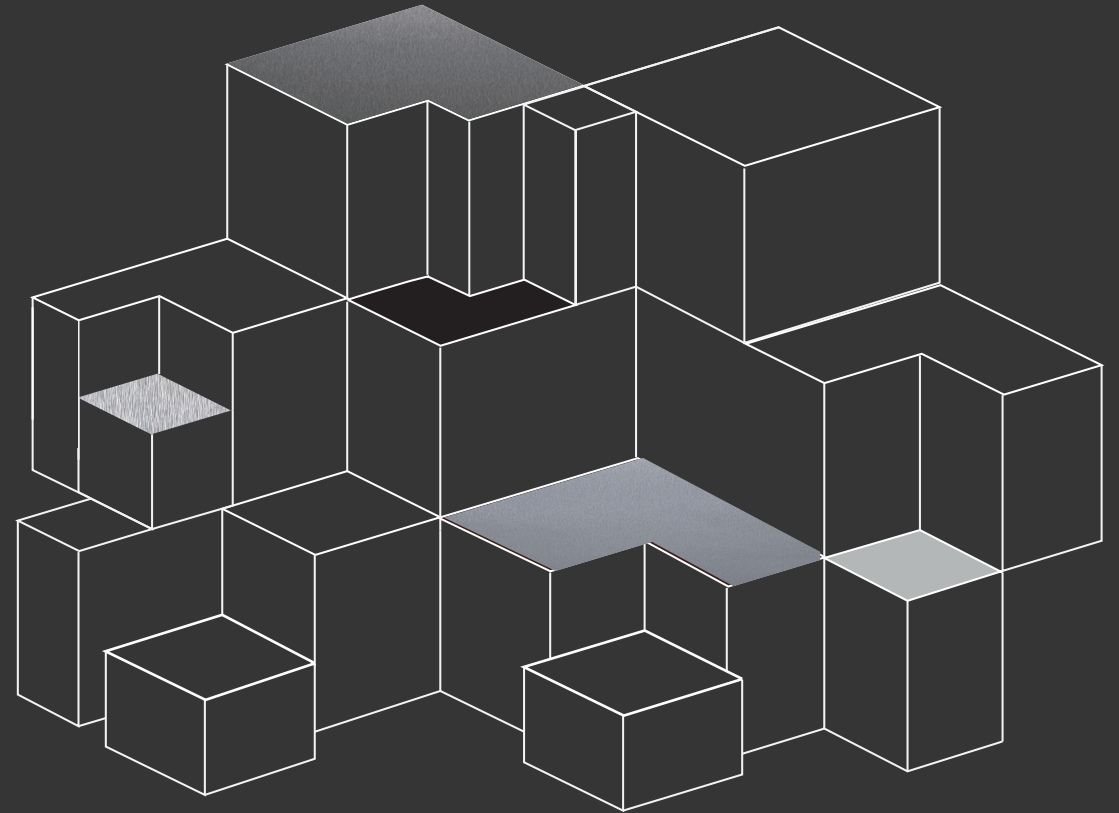
**Zinc Ace**  
MTL01 AS



**Titanium Ace**  
MTL02 AS



**Platinum Ace**  
MTL03 AS







Titanium MTL02 AS



## Administration Office

Light and shadow interaction, simple luxury style  
Give the space an elegant metallic fashion sense

## INFORMATION

Our Ace Surfaces™ are a combination of fingerprint-resistant nanotechnology surfaces. Ace Supreme™ and Ace Premium™ have similar features; they are both fingerprint resistant, matt, and have antibacterial properties. However, it is their distinct features that make each surface suitable for different applications. Ace Supreme™, which comes in an array of solid colors, has the highest level of scratch resistance available in high pressure laminate surfaces. Ace Premium™ can additionally be used for a variety of designs, including woodgrains, stones, patterns, and more.

Thickness	Design	Type	Size
0.35"	Entire Ace Surfaces™ Range	Standard	4'x8' 4'x10'
0.47"	Refer to table for available matching solid core	Solid Core	4'x8' 4'x10'
0.98"	Entire Ace Surfaces™ Range	Standard	4'x8' 4'x10'
0.98"	Refer to table for available matching solid core	Solid Core	4'x8' 4'x10'
1.57"	Entire Ace Surfaces™ Range	Standard	4'x8' 4'x10'
1.57"	Refer to table for available matching solid core	Solid Core	4'x8' 4'x10'
3.15"	Entire Ace Surfaces™ Range	Standard	4'x8' 4'x10'
3.15"	Refer to table for available matching solid core	Solid Core	4'x8' 4'x10'

## Applications



Transportation



Healthcare

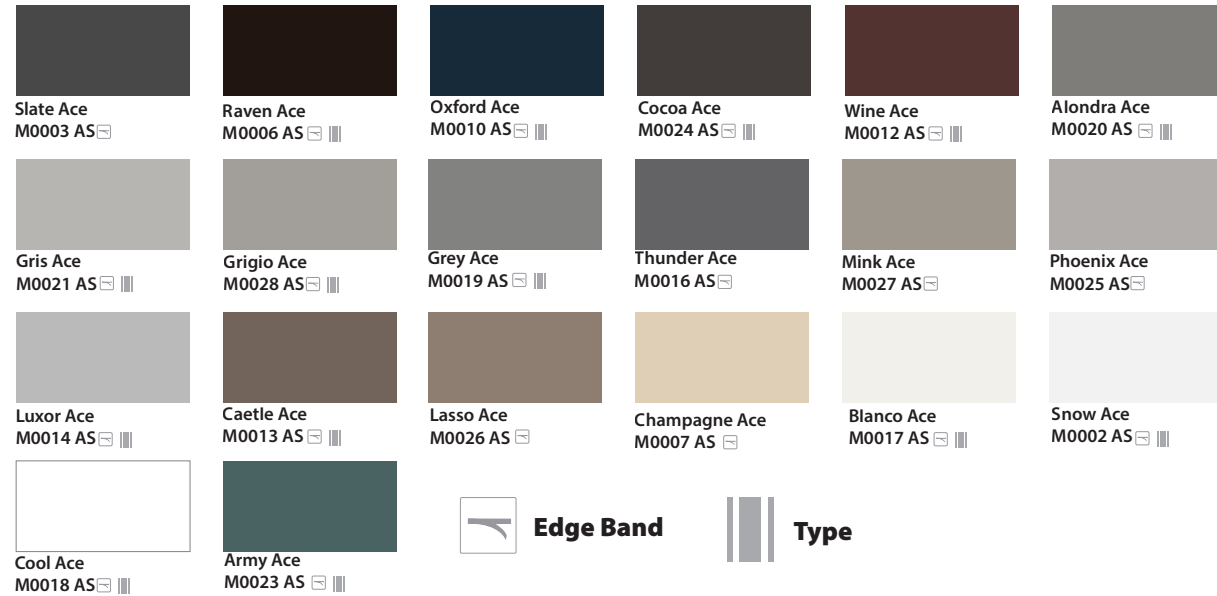


Residential



Commercial space

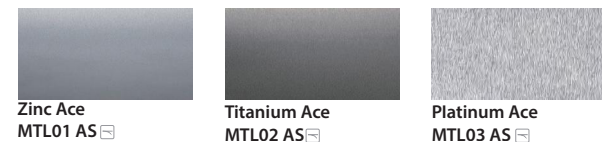
## ACE Supreme™



## ACE Premium™



## ACE MTL



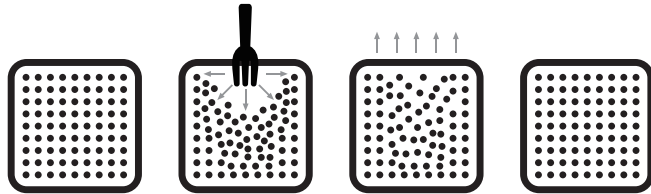
## Test Report Characteristics

Test Method	MTL	AS Test Results	AP Test Results
<b>Stain Resistance Characteristics</b> EN 438-2: 2016 + A1: 2018 Clause 26	Rating 5	Rating 5	Rating 5
<b>Scratch Resistance</b> EN 438-2: 2016 + A1: 2018 Clause 25	2.5N	6N	4N
<b>Surface Wear Resistance</b> EN 438-2: 2016+A1: 2018 Clause 10	—	800r	500r
<b>Gloss Level (Degree:60°)</b> ISO 2813: 2014	4.4 degrees	1.6 degrees	1.6 degrees
<b>Resistance to Water Vapour</b> EN 438-2: 2016 + A1: 2018 Clause 14	Rating 5	Rating 5	Rating 5
<b>Resistant to Dry Heat (Test temperature: 160°C)</b> EN 438-2: 2016 + A1: 2018 Clause 16	Rating 5	Rating 5	Rating 5
<b>Resistant to Wet Heat (Test temperature: 100°C)</b> EN 438-2: 2016 + A1: 2018 Clause 18	Rating 5	Rating 5	Rating 5
<b>Impact Resistance by Small Diameter Ball Test</b> (Size: 2400mm (AS) , 1200mm (AP)) EN 438-2: 2016+A1: 2018 Clause 20	44N	44N	44N
<b>Impact Resistance by Large Diameter Ball Test</b> EN 438-2: 2016 + A1: 2018 Clause 21	2200mm, undamaged	2200mm, undamaged	2200mm, undamaged
<b>Resistance to Cracking under stress</b> (Test temperature : 50°C) EN 438-2: 2016 + A1: 2018 Clause 23	Rating 5	Rating 5	Rating 4

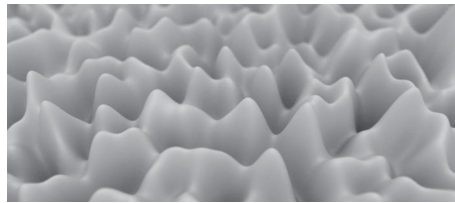
# FEATURES



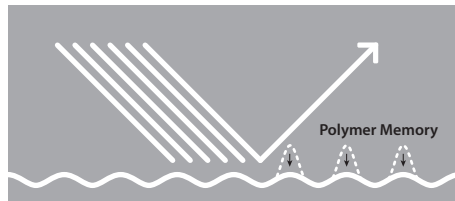
**Thermal Self Healing**



**Soft Touch**



**Low Light Reflectivity**



**Anti-Fingerprint**



**Anti-Bacterial**

## Maintenance of your Ace Surfaces™

To ensure you get the best long-term performance from your Ace Surfaces™ We strongly recommend cleaning the Ace Surfaces™ immediately after soiling by wiping with a damp cloth, or with the recommended cleaning agents.

TYPE OF STAIN	RECOMMENDED CLEANING SOLUTION
Coffee/Balsamic Vinaigrette	Dish soap and water with Sponge
Black Tea	Washing Powder with Sponge
Red Wine	Dish soap and water with Sponge
Ketchup/Mustard	Wooden spatula, followed by water and dish soap
Coca Cola	Dish soap and water with Sponge
Graffiti Spray/Spray Paint	Acetone and Towel
Shoe Polish	Ethanol, Dish Soap, Rubber Sponge
Blood	Toothpaste or Dishwashing Powder
Nail Polish	Acetone
Olive Oil	Dish soap and water, Ethanol
Permanent Marker/ Ink	Acetone with towel and sponge
Pencil/Market	Dish soap and water, sponge
Pen	Ethanol and sponge

### DO NOT USE

Abrasive cleaning materials and accessories such as steel wool, stainless steel, scrubbing pads, or other cleaning agents with abrasive properties including scrubbing milk and powder.

### RECOMMENDED CLEANING AGENTS

Dish soap and water, Melamine Dirt Eraser Sponge, Soft micro-fiber cloth, Household Grease Cleaning Agents, Acetone, Ethanol

### FOR SCRATCH REPAIR

Use a melamine sponge for light scratches. Superficial scratches can be repaired by rubbing your melamine sponge on the area with the scratches are witnesses. Your sponge can be used dry or dampened.

**PoliLam Certifications:**



Singapore Green Label



EN 45545-2:2013 + A1 Fire Protection on Railway Vehicles  
EN 438-2:2016 + A1 2018



ISO 22196 Anti-Bacterial Test Report



NEMA LD 3-2004 Characteristics  
Anti-Bacterial Test Report



GREENGUARD & GREENGUARD GOLD



**Instagram**  
PoliLam



**Pinterest**  
OfficialPoliLam



**Facebook**  
OfficialPoliLam



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[www.polilam.com](http://www.polilam.com)