

DUPONT™

Montelli®



# Montelli® Surfaces

Montelli® Surfaces is a decorative material, which can be used in a variety of interior applications in both commercial and residential sectors. A composite product, Montelli® Surfaces is produced by a continuous casting process, meeting strict quality control standards.

It is supplied in sheets and can be used to create wall panels, coffee tables, reception desks, kitchen countertops, bathroom vanities and shower surrounds, as well as many other applications. Because the material is solid, and uniform right through the surface is durable, non-porous, hygienic and repairable. These performance benefits make Montelli® Surfaces a suitable material for areas subject to heavy use. Montelli® sheets can be cut, routed, joined with inconspicuous seams, sanded and engraved to create a wide variety of designs, color inlays and effects.

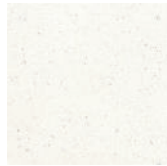
## Colors of Montelli® Surfaces

101 (MS101)  
ARCTIC WHITE



12mm

201 (MG201P)  
SNOW DRIFT



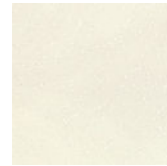
12mm

204 (MG204)  
LOTUS



12mm

207 (MG207)  
PEARL WHITE



12mm

231 (MG231)  
IVORY MIST



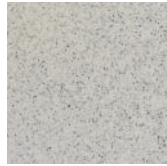
12mm

282 (MG282)  
GREY GRATINO



12mm

288 (MG288)  
PEPPER GREY



12mm

306 (MP306)  
BLIZZARD



12mm

1201 (MG1201)  
CICADA WINGS



12mm

1202 (MG1202)  
FOGGY ICELAND



12mm

1213 (M1213)  
SILVERY SAND



12mm

1303 (MP1303)  
LILY POND



12mm

1457 (M1457)  
MOSS



12mm

1458 (M1458)  
BARK



12mm

1459 (M1459)  
NUT



12mm

1461 (M1461)  
CREPUSCULE



12mm

1462 (M1462)  
PENUMBRA



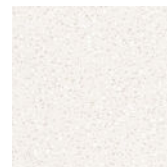
12mm

2530 (M2530)  
ICELAND SNOWFIELD



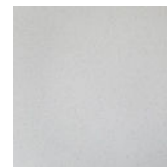
12mm

2565 (M2565)  
HAIL STORM



12mm

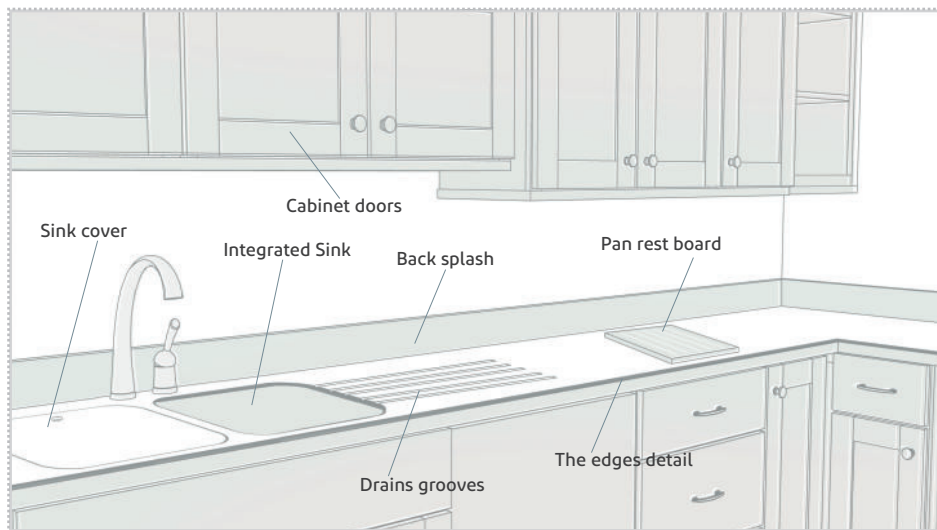
2586 (M2586)  
SNOW JADE



12mm

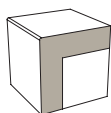
( ) China Color Code

# Montelli® Surfaces on Kitchen Surfaces

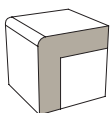


## Edge Types

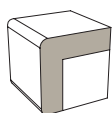
Edge



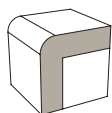
Square



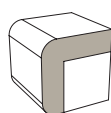
Pencil Round



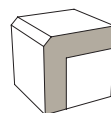
Double Pencil Round



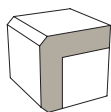
Single Radius



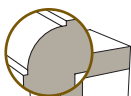
Double Radius



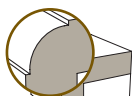
Single Bevel



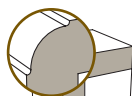
Double Bevel



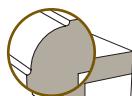
Single Spanish



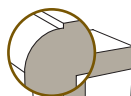
Double Spanish



Single Ovolo

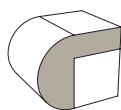


Double Ovolo

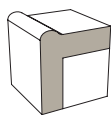


Single Imperial

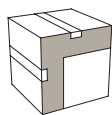
Special Edge



Bull nose

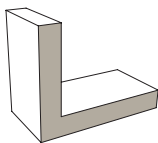


Top or Front Inlay

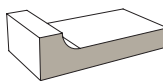


Waterfall

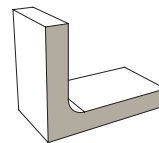
Backsplash



Square



10mm Covered



50mm (or more)  
Covered

# Montelli® Surfaces Competitive Advantages

Comparison of Montelli® Surfaces with other surface materials

|                   |   | WOOD | LAMINATE | GRANITE | QUARTZ | MONTELLI® |
|-------------------|---|------|----------|---------|--------|-----------|
| Freedom of design | Seamless joints surface integrally                                    | x    | x        | x       | x      | ✓         |
|                   | Seamless connection with sink   | x    | x        | x       | x      | ✓         |
|                   | Seamless connection with a kitchen apron (Rear rim )                  | x    | x        | x       | x      | ✓         |
|                   | Seamless insertion of Montelli® other colors                          | x    | x        | x       | x      | ✓         |
|                   | Solid edge with antiperelivom   | ✓    | x        | ✓       | ✓      | ✓         |
|                   | Unbounded leading edge design   | x    | x        | ✓       | ✓      | ✓         |
|                   | Flush drains  | x    | x        | ✓       | ✓      | ✓         |
|                   | Any form of flat countertop   | ✓    | ✓        | ✓       | ✓      | ✓         |
| Aesthetics        | Built-in holders for hot dishes                                       | ✓    | ✓        | ✓       | ✓      | ✓         |
|                   | The choice of surface polishing                                       | x    | x        | ✓       | ✓      | ✓         |
|                   | Pearly luster   | x    | x        | x       | x      | ✓         |
|                   | The legacy of the Italian aesthetics and paints                       | x    | x        | x       | x      | ✓         |
| Hygiene           | The perfect combination of more than 1000 shades wood (cabinet doors) | x    | x        | x       | x      | ✓         |
|                   | Easy to care for a seamless surface                                   | x    | x        | x       | x      | ✓         |
|                   | Non-porous ( does not absorb moisture )                               | x    | x        | x       | x      | ✓         |
| Durability        | Easy stain removal with household cleaners                            | x    | ✓        | ✓       | ✓      | ✓         |
|                   | Easily renewable 'At home'  | x    | x        | x       | x      | ✓         |
|                   | Easily repairable 'At home'   | x    | x        | x       | x      | ✓         |
|                   | The absence of traces produced repair                                 | x    | x        | x       | x      | ✓         |
|                   | Impact resistance   | x    | x        | ✓       | ✓      | ✓         |

# Technical Data

| PROPERTY  | TYPICAL RESULT                                    | REQUIREMENT   | TEST METHOD             | REF. |
|---|---|---|-------------------------|------|
| Flexural stress   | 55.19 MPa   |   | EN ISO 178              | 2    |
| Flexural modulus  | 9463.2 MPa  |   | EN ISO 178              | 2    |
| Deflection  | 3.412 mm  |   | EN ISO 178              | 2    |
| Tensile strength  | 38.4 MPa  |   | EN ISO 527-2            | 3    |
| Deformation   | 0.51 %  |   | EN ISO 527-2            | 3    |
| Surface defects   | No failure  | Max. contamination area < 1.0 mm <sup>2</sup> /m <sup>2</sup> | ISO 19172-2 Clause 5    | 1    |
| Consistency of color  | No noticeable change on base color along the seam |   | ISO 19172-2 Clause 6    | 1    |
| Load test   | No cracks/no breaks                               | Residual deflection <0,25 mm                                  | ISO 19172-2 Clause 7    | 1    |
| Resistance to impact by large-diameter ball                 | No breakage                                       | Imprint <10mm   | ISO 19172-2 Clause 8    | 1    |
| Light fastness (Xenon Arc)                                  | 5* - No changes                                   | Not worse than 4*   | ISO 19172-2 Clause 9    | 1    |
| Stain/ chemical resistance                                  | Rating 4/5*                                       | Not worse than 3*   | ISO 19172-2 Clause 10.1 | 1    |
| Resistance to cigarette burns                               | Rating 3/4*                                       | Not worse than 2*   | ISO 19172-2 Clause 11   | 1    |
| Resistance to dry heat (180° C)                             | Rating 5*   | Not worse than 3*   | ISO 19172-2 Clause 12   | 1    |
| Resistance to wet heat                                      | Rating 5*   | Not worse than 3*   | ISO 19172-2 Clause 13   | 1    |
| Hot/cold water cycle resistance                             | No failure  | No failure  | ISO 19172-2 Clause 14   | 1    |
| Hardness (Barcol)   | 60 ±3 (HRM)                                       |   | ISO 19172-2 Clause 15   | 1    |
| Hardness (Ball indentation)                                 | 290 ±23 (N/mm <sup>2</sup> )                      |   | ISO 19172-2 Clause 15   | 1    |
| Hardness (Rockwell)   | 88 ±1 (HRM)                                       |   | ISO 19172-2 Clause 15   | 1    |
| Dimensional stability (humidity (90 ±5) % RH and (23±2) °C) | -0.02 Longitudinal,<br>-0.05 Transversal          |   | ISO 4596-2 Clause 11    | 1    |
| Dimensional stability (humidity (15 ±5) % RH and (23±) °C)  | 0.04 Longitudinal,<br>0.06 Transversal            |   | ISO 4586-2 Clause 11    | 1    |
| Resistance to immersion in boiling water                    | Increases < 2% , Rating 4*                        | Increases < 2%, Shine not worse than 4*                       | ISO 4586-2 Clause 7     | 1    |
| Resistance to surface wear                                  | 0.02 % Surface wear for 25 revolutions            |   | ISO 4586-2 Clause 6     | 1    |

\* Rating 5: no visible change

\* Rating 4: minor change of shine and/or colour-only visible at certain angles of view

\* Rating 3: moderate change of shine and/or colour

\* Rating 2: distinct change of shine and/or colour

\* Rating 1: surface damage and/or blistering

(1) Aimplas report 21-0091-EN/2 – 9/4/2021

(2) Sirris report 21-1599-Labtool s200065-flexion – 19/4/2021

(3) Sirris report 21-1571-Labtool s200065-traction – 19/4/2021

Typical results for 12mm thick material in solid colours. Properties may vary by aesthetic. These values are not intended for engineering calculations.

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To know more about Montelli®: [www.montelli.com](http://www.montelli.com)

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