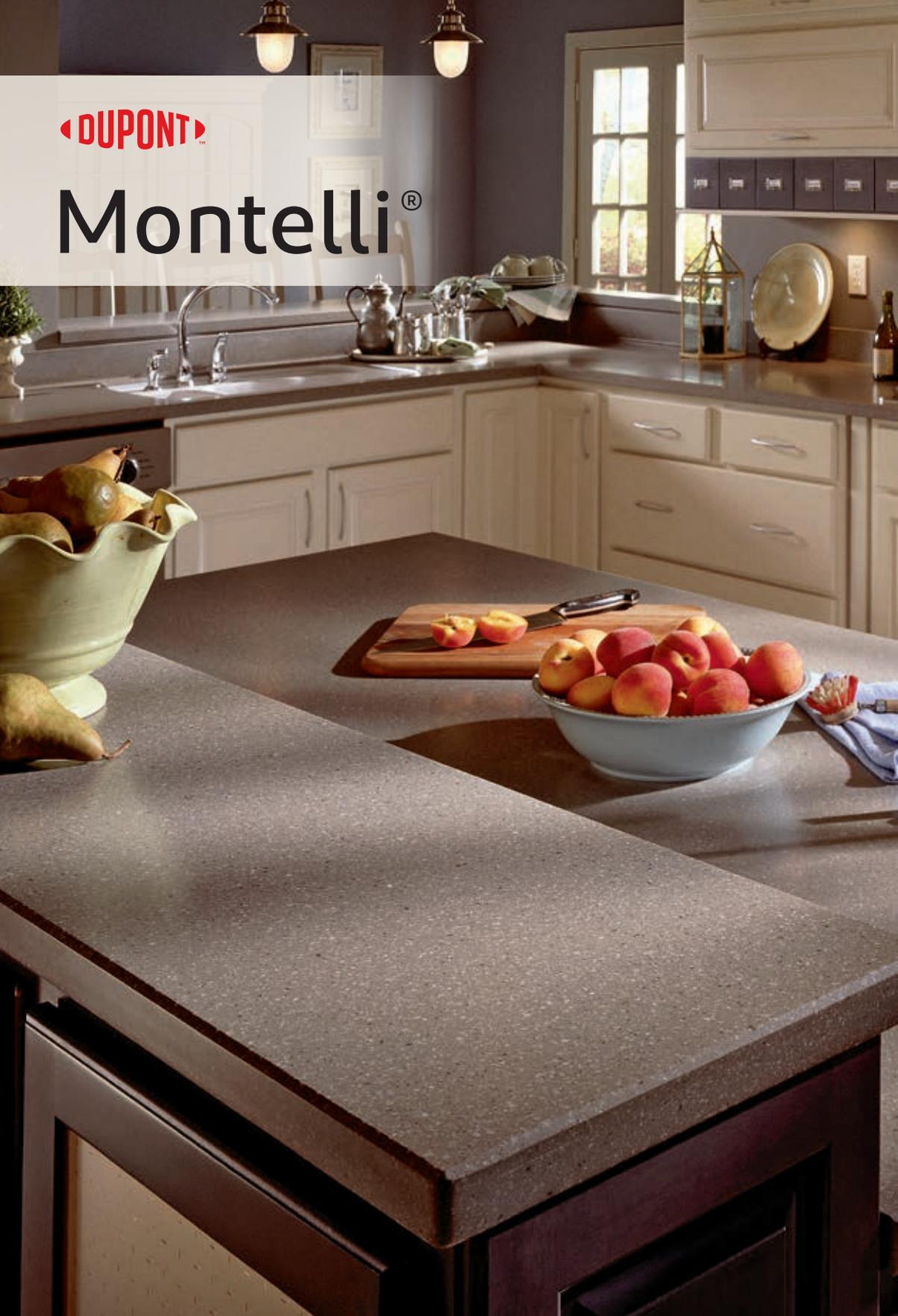


DUPONT™

Montelli®





**FUSION OF  
BEAUTY AND FUNCTIONALITY**



## Montelli® Surfaces

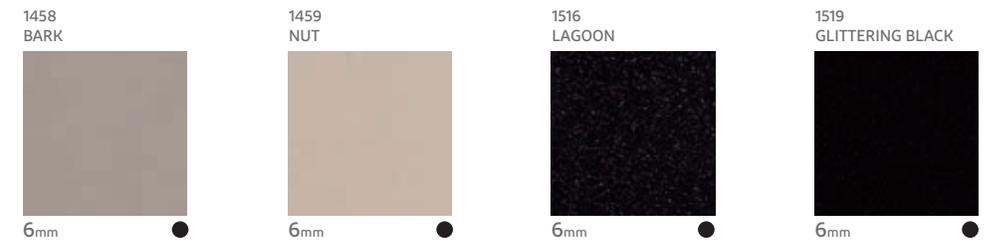
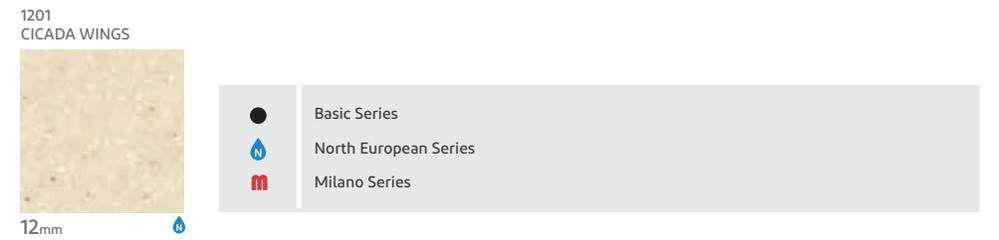
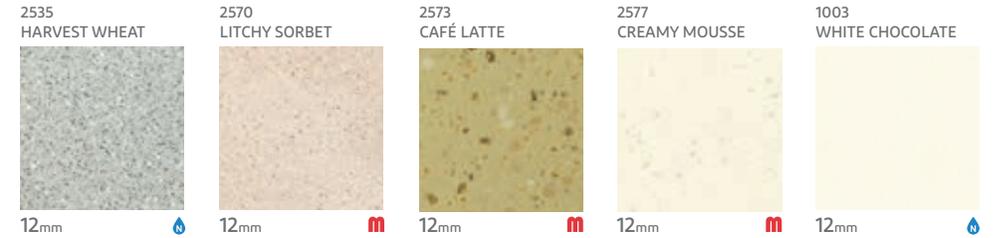
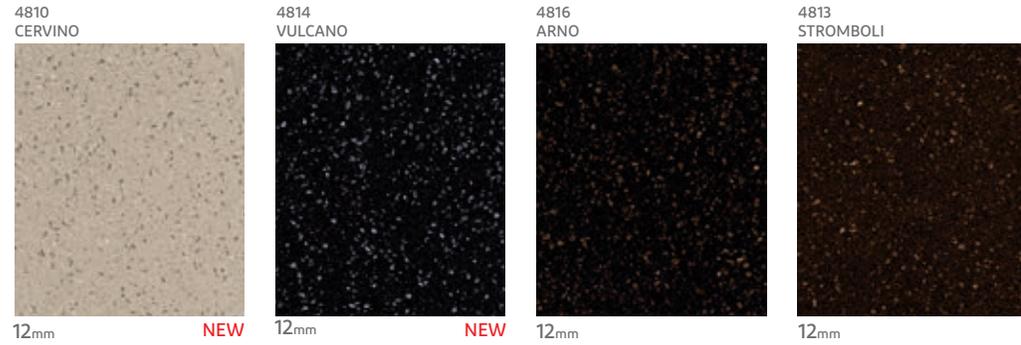
Montelli® Surfaces is a decorative material, which can be used in a variety of interior applications in both commercial and residential sectors. A composite product, Montelli® Surfaces is produced by a continuous casting process, meeting strict quality control standards.

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.

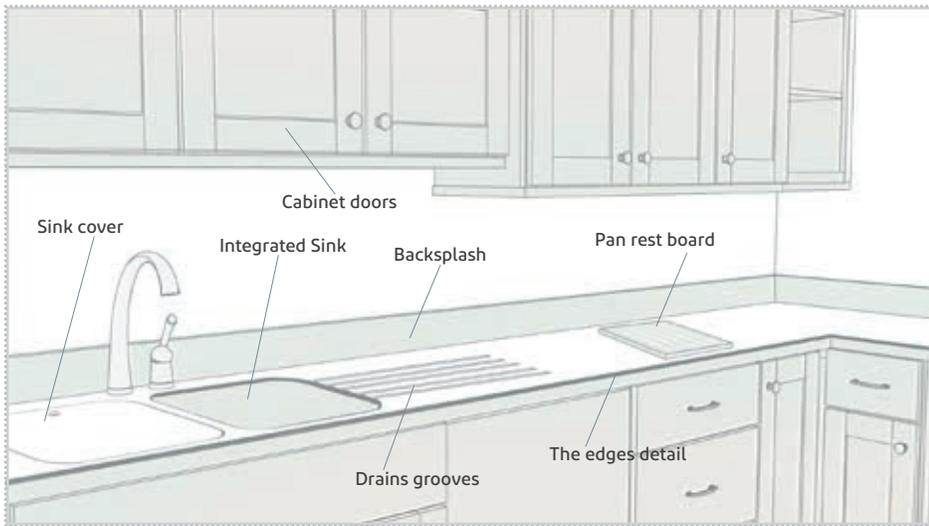


# Colors of Montelli® Surfaces

## Crystal series

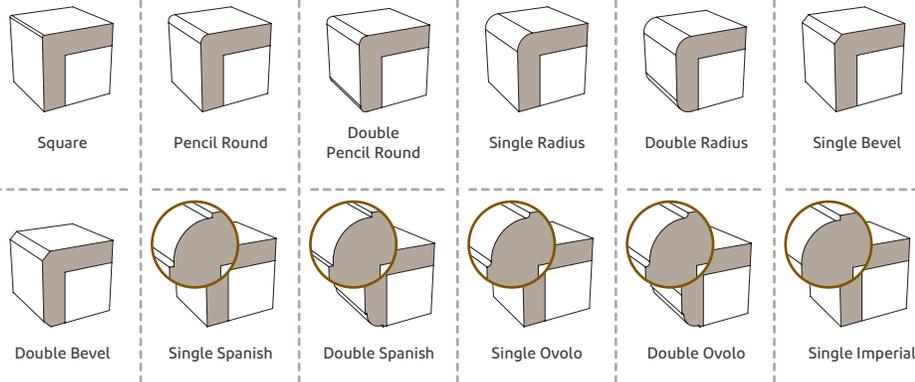


## Montelli® Surfaces on Kitchen Surfaces

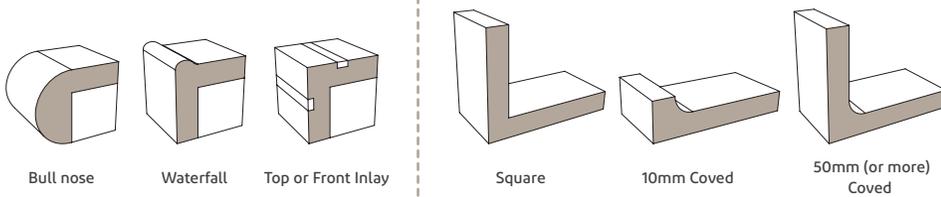


## Edge Types

Edge



Special Edge



## Montelli® Surfaces Competitive Advantages

Comparison of Montelli® Surfaces with other surface materials

|                   | WOOD  | LAMINATE | GRANITE | QUARTZ | MONTELLI® |   |
|-------------------|---|----------|---------|--------|-----------|---|
| Freedom of design | Seamless joints on surface  | 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 other colors of Montelli®                       | x        | x       | x      | x         | ✓ |
|                   | Waterfall edge  | ✓        | 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         | ✓ |
|                   | Absence of traces from repairs  | x        | x       | x      | x         | ✓ |
|                   | Impact resistance   | x        | x       | ✓      | ✓         | ✓ |

## Montelli® Surfaces, Combined Harmony

Colors and aesthetics of Montelli® Surfaces will allow you to create harmonious combinations between the countertop and the kitchen cabinets made from various shades and patterns of wood or enamel. This combined harmony of kitchen elements will always attract attention of people, ensuring your choice to be highly appreciated.



# Technical Data

| PROPERTY                                     | RESULT                | UNIT                              | TESTING METHOD            | * |
|--|-----------------------|-----------------------------------|---------------------------|---|
| Density                                      | 1,797                 | g/cm <sup>3</sup>                 | UNE-EN ISO 1183-1         | 1 |
| Flexural strength                            | 51,2                  | MPa                               | UNE-EN ISO 178            | 1 |
| Flexural modulus                             | 9730                  | MPa                               | UNE-EN ISO 178            | 1 |
| Deflection at flexural strength              | 0,63                  | %                                 | UNE-EN ISO 178            | 1 |
| Compressive strength                         | 123                   | MPa                               | UNE-EN ISO 604            | 1 |
| Deformation at break                         | 3,7                   | %                                 | UNE-EN ISO 604            | 1 |
| Tensile strength                             | 33,8                  | MPa                               | UNE-EN ISO 527-2          | 1 |
| Elongation at break                          | 0,52                  | %                                 | UNE-EN ISO 527-2          | 1 |
| Load test                                    | no cracks /no breaks  | Residual deflection <0,25 mm      | ISO 19172-2 clause 7      | 1 |
| Impact resistance (large-diameter ball drop) | no breaks             | Imprint <10mm /no breaks          | ISO 19172-2 clause 8      | 1 |
| Light Fastness (Xenon Arc)                   | Rating 4/5*           | Rating requirement                | ISO 19172-2 clause 9      | 1 |
| Stain/ chemical resistance                   | Rating 4/5*           | Rating 3* requirement             | ISO 19172-2 clause 10.1-2 | 1 |
| Resistance to cigarette burns                | Rating 3*             | Rating 3* requirement             | ISO 19172-2 clause 11     | 1 |
| Resistance to dry heat (180° C)              | Rating 5*             | Rating 3* requirement             | ISO 19172-2 clause 12     | 1 |
| Resistance to wet heat                       | Rating 4*             | Rating 3* requirement             | ISO 19172-2 clause 13     | 1 |
| Hot/cold cycle water resistance heat         | no failure            |                                   | ISO 19172-2 clause 14     | 1 |
| Hardness (Barcol)                            | 67+/-3                |                                   | ISO 19172-2 clause 15     | 1 |
| Hardness (ball)                              | 300+/-20              | N/mm <sup>2</sup>                 | ISO 19172-2 clause 15     | 1 |
| Hardness (Rockwell)                          | 92+/-1                |                                   | ISO 19172-2 clause 15     | 1 |
| Dimensional stability (humidity (90+/-3)%RH) | 0,03                  | % requirement <0,16               | ISO 4586-2 clause 11      | 1 |
| Dimensional stability (humidity (15+/-5)%RH) | 0,08                  | % requirement <0,16               | ISO 4586-2 clause 11      | 1 |
| Resistance to immersion in boiling water     | Rating 5*             | increase <2%, shine min rating 4* | ISO 4586-2 clause 7       | 1 |
| Resistance to surface wear                   | 0,02                  | % weight variation for rev        | ISO 4586-2 clause 6       | 1 |
| Hardness of surface (Mohs index)             | 2-3                   |                                   | DIN EN 101                | 5 |
| Slip resistance with 120 µm grit             | Passes R9 Requirement |                                   | DIN 51130                 | 5 |
| Slip resistance with 150 µm grit             | Passes R9 Requirement |                                   | DIN 51130                 | 5 |
| Fire classification                          | Euroclass B-s1, do    |                                   | EN 13501-1:2002           | 2 |
| Reaction to fire                             | Class M2              |                                   | NF P 92-501               | 3 |
| Smoke opacity and gas toxicity               | Class Fo              |                                   | NF F 16-101               | 4 |

\* 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) Test report AT-0325/12 from Aimplas 11-2011

(2) Classification Report 11691 C from Warrington Fire Gent - Belgium/08-2005

(3) Classification Report 11891-04 from SME/Group SMPE - France/10-2004

(4) Classification Report 11925-04 from SME/Group SMPE - France/11-2004

(5) Test Report Q IWQ MBL 734 1109-1 from LGA – Germany/04-2004

To know more about Montelli®, please call:

Toll Free: 1800-419-0899  
www.montelli.in

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