

«DUPONT»™

Montelli®



Montelli® Surfaces

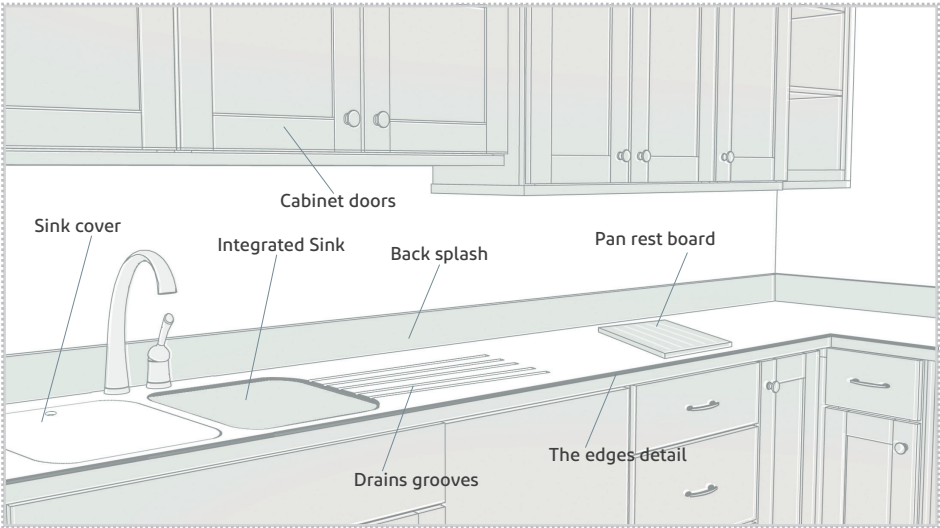
Montelli® Surfaces is a decorative material, which can be used in a variety of interior applications in both commercial and residential sectors. A composite product, Montelli® Surfaces is produced by a continuous casting process, meeting strict quality control standards.

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.

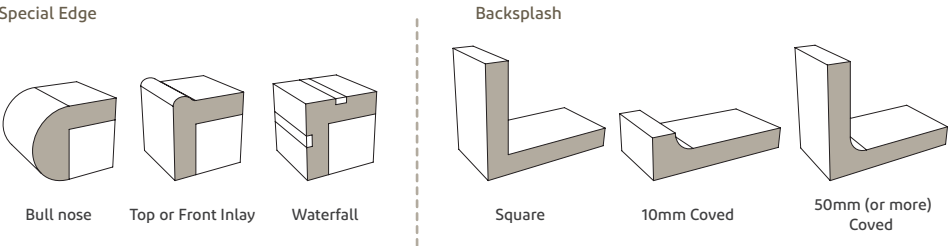
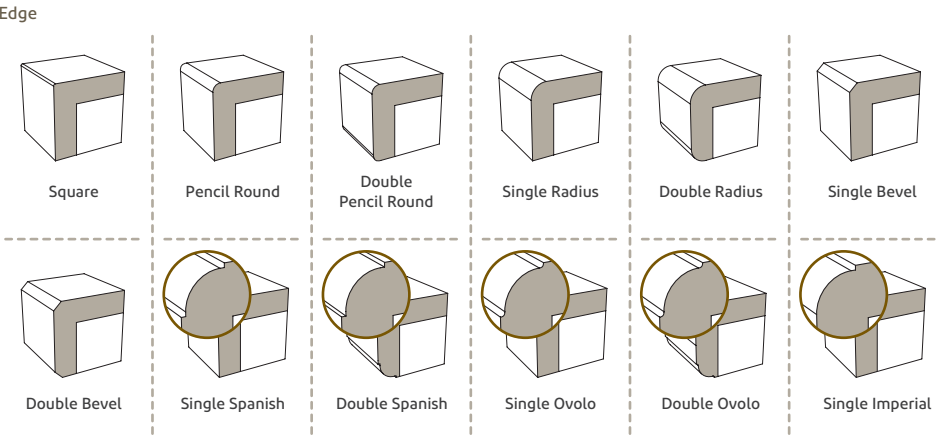
Colors of Montelli® Surfaces

101 (MS101) ARCTIC WHITE	201 (MG201P) SNOW DRIFT	204 (MG204) LOTUS	207 (MG207) PEARL WHITE	231 (MG231) IVORY MIST
				
12mm	12mm	12mm	12mm	12mm
282 (MG282) GREY GRATINO	288 (MG288) PEPPER GREY	306 (MP306) BLIZZARD	1201 (MG1201) CICADA WINGS	1202 (MG1202) FOGGY ICELAND
				
12mm	12mm	12mm	12mm	12mm
1213 (M1213) SILVERY SAND	1303 (MP1303) LILY POND	1457 (M1457) MOSS	1458 (M1458) BARK	1459 (M1459) NUT
				
12mm	12mm	12mm	12mm	12mm
1461 (M1461) CREPUSCULE	1462 (M1462) PENUMBRA	2530 (M2530) ICELAND SNOWFIELD	2565 (M2565) HAIL STORM	2586 (M2586) SNOW JADE
				
12mm	12mm	12mm	12mm	12mm

Montelli® Surfaces on Kitchen Surfaces



Edge Types



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 mm²/m²	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/mm²)		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, -0.05 Transversal		ISO 4596-2 Clause 11	1
Dimensional stability (humidity (15 ±5) % RH and (23±) °C)	0.04 Longitudinal, 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.

To know more about Montelli®: www.montelli.com

