



empresarios
del **MÁRMOL**
asociación

TRADE MARK:  **ANASOL MACAEL**

COLOR: Yellow. Grey, pink, green

LOCATION: Macael, province of Almería, Spain

DESCRIPTION: Dolomite marble (thick crystalline

MINERAL COMPOSITION:

Main components: Calcite

Additional components: Monoclinic pyroxene (diopside), muscovite, quartz and opaque minerals.

PHYSICAL-MECHANICAL PROPERTIES

Absorption	0.07 %
Apparent specific weight	2.72
Impact toughness	12.99 in
Flexural strength	16.1 MPa
Compressive strength	89.9 MPa
Frost resistance	Weight loss: 0.02 % Changes: No
Thermal shock resistance	Weight loss: 0.02 % Changes: No
Anchor strength	2100 n
Frictional resistance	0.9252 in
Slipperiness	Usrv 56

(Surface finish: cut with diamond)

RECOMMENDED APPLICATIONS AND FINISHES TABLE

APPLICATION	FINISH					
	Brush-hammered	Honed	Aged	Trimmed	Polished*	Sawed or Cut
Ventilated facades		*	*		*	*
Wall coating		*	*	*	*	*
Plates		*	*		*	*
Flooring		*	*		*	*
Paving stones and curbs						

* Polished: Restrictions for outdoor and public use



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TRADE MARK:  **AMARILLO MACAEL RÍO**

COLOR: Yellow

LOCATION: Macael, province of Almería, Spain

DESCRIPTION: Dolomite marble (thick crystalline)

MINERAL COMPOSITION:

Main components: Dolomite

Additional components: calcite and opaque minerals (iron oxides and manganese)

PHYSICAL-MECHANICAL PROPERTIES

Absorption	0.51 %
Apparent specific weight	2.79
Impact toughness	14.17 in
Flexural strength	11.6 MPa
Compressive strength	114.7 MPa
Frost resistance	Weight loss: 0.02 % Changes: No
Thermal shock resistance	Weight loss: 0.03 % Changes: No
Anchor strength	1525 n
Frictional resistance	1.9646 in
Slipperiness	Usrv 59

(Surface finish: cut with diamond)

RECOMMENDED APPLICATIONS AND FINISHES TABLE

APPLICATION	FINISH					
	Brush-hammered	Honed	Aged	Trimmed	Polished*	Sawed or Cut
Ventilated facades		*	*		*	*
Wall coating	*	*	*	*	*	*
Plates		*	*		*	*
Flooring	*	*	*		*	*
Paving stones and curbs						*

* Polished: Restrictions for outdoor and public use

TRADE MARK:  **BLANCO MACAEL**

COLOR: White

LOCATION: Macael, province of Almería, Spain

DESCRIPTION: Medium-grain calcitic marble (very thick crystalline)

MINERAL COMPOSITION:

Main components: Calcite

Additional components: quartz and opaque minerals

PHYSICAL-MECHANICAL PROPERTIES

Absorption	0.07 % - 0.08 %
Apparent specific weight	2.71 – 2.72
Impact toughness	14,96 – 18,50 in
Flexural strength	11.30 – 16.20 MPa
Compressive strength	81.1 – 87.4 MPa
Frost resistance	Weight loss: 0.02 % Changes: No
Thermal shock resistance	Weight loss: 0.02 % 0.04 % Changes: No
Anchor strength	1650 -2050 n
Frictional resistance	0.8071 – 0.9449 in
Slipperiness	Usrv 53 - 60

(Surface finish: cut with diamond)

RECOMMENDED APPLICATIONS AND FINISHES TABLE

APPLICATION	FINISH					
	Brush-hammered	Honed	Aged	Trimmed	Polished*	Sawed or Cut
Ventilated facades	*	*	*		*	*
Wall coating	*	*	*	*	*	*
Plates		*	*		*	*
Flooring	*	*	*		*	*
Paving stones and curbs						*

* Polished: Restrictions for outdoor and public use



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TRADE MARK:



BLANCO MACAEL RÍO

COLOR: White

LOCATION: Macael, province of Almería, Spain

DESCRIPTION: Medium-grain calcitic marble (very thick crystalline)

MINERAL COMPOSITION:

Main components: Calcite

Additional components: Opaque minerals and quartz.

PHYSICAL-MECHANICAL PROPERTIES

Absorption	0.06 %
Apparent specific weight	2.73
Impact toughness	17.72 in
Flexural strength	15.0 MPa
Compressive strength	74.1 MPa
Frost resistance	Weight loss: 0.02 % Changes: No
Thermal shock resistance	Weight loss: 0.02 % 0.02 % Changes: No
Anchor strength	2100 n
Frictional resistance	0.7874 in
Slipperiness	Usrv 65

(Surface finish: cut with diamond)

RECOMMENDED APPLICATIONS AND FINISHES TABLE

APPLICATION	FINISH					
	Brush-hammered	Honed	Aged	Trimmed	Polished*	Sawed or Cut
Ventilated facades	*	*	*		*	*
Wall coating	*	*	*	*	*	*
Plates		*	*		*	*
Flooring	*	*	*		*	*
Paving stones and curbs						*

* Polished: Restrictions for outdoor and public use

TRADE MARK:  **MACAEL** **GRIS MACAEL**

COLOR: Light grey

LOCATION: Macael, province of Almería, Spain

DESCRIPTION: Medium-grain calcitic marble (very thick crystalline)

MINERAL COMPOSITION:

Main components: Calcite

Additional components: quartz, plagioclase (albite), muscovite and opaque minerals

PHYSICAL-MECHANICAL PROPERTIES

Absorption	0.06 %
Apparent specific weight	2.71
Impact toughness	0.94 in
Flexural strength	15.5 MPa
Compressive strength	96.9 MPa
Frost resistance	Weight loss: 0.02 % Changes: No
Thermal shock resistance	Weight loss: 0.02 % Changes: No
Anchor strength	1700 n
Frictional resistance	0.8858 in
Slipperiness	Usrv 52

(Surface finish: cut with diamond)

RECOMMENDED APPLICATIONS AND FINISHES TABLE

APPLICATION	FINISH					
	Brush-hammered	Honed	Aged	Trimmed	Polished*	Sawed or Cut
Ventilated facades	*	*	*		*	*
Wall coating	*	*	*	*	*	*
Plates		*	*		*	*
Flooring	*	*	*		*	*
Paving stones and curbs						*

* Polished: Restrictions for outdoor and public use



empresarios
del **MÁRMOL**
asociación



TRADE MARK: MACAEL el mármol VERDE MACAEL

COLOR: Green.

LOCATION: Macael, province of Almería, Spain

DESCRIPTION: Serpented periodotite (serpentine)

MINERAL COMPOSITION:

Main components: monoclinic pyroxene (augite and olivine)

Additional components: serpentine, chlorite, dolomite, magnesite and tremolite-actinolite and opaque minerals.

PHYSICAL-MECHANICAL PROPERTIES

Absorption 0.01 %

Apparent specific weight 2.73

Impact toughness 14.57 in

Flexural strength 17.4 MPa

Compressive strength 150.2 MPa

Frost resistance Weight loss: 0.02 %
Changes: No

Thermal shock resistance Weight loss: 0.03 %
Changes: No

Anchor strength 3550 n

Frictional resistance 0.7480 in

Slipperiness Usrv 55

(Surface finish: cut with diamond)

RECOMMENDED APPLICATIONS AND FINISHES TABLE

APPLICATION	FINISH					
	Brush-hammered	Honed	Aged	Trimmed	Polished*	Sawed or Cut
Ventilated facades	*	*	*		*	*
Wall coating	*	*	*	*	*	*
Plates		*	*		*	*
Flooring	*	*	*		*	*
Paving stones and curbs						*

* Polished: Restrictions for outdoor and public use

TRADE MARK:  **PIEDRA AMARILLA MULTICOLOR**

COLOR: Yellowish brown

LOCATION: Macael (Almería)

DESCRIPTION: Mica schist

PHYSICAL-MECHANICAL PROPERTIES

Absorption 0,42%

Apparent specific weight 2,72

Impact toughness 33,46 in

Flexural strength 18,5 MPa

Anchor strength 1650 n

Slipperiness Usrv 80

(Surface finish: cut with diamond)

RECOMMENDED APPLICATIONS AND FINISHES TABLE

APPLICATION	FINISH					
	Brush-hammered	Honed	Aged	Trimmed	Polished *	Sawed or cut
Ventilated Facades		*			*	
Wall Coating		*	*	*	*	
Plates		*			*	
Flooring		*	*	*	*	
Paving stones and curbs						

* Polished: Restrictions for outdoor and public use

TRADE MARK:  **MACAEL** **el mármol** **PIZARRA GRIS CELESTE**

COLOR: Gris Azulado

LOCATION: Macael (Almería)

DESCRIPTION: Mica schist

PHYSICAL-MECHANICAL PROPERTIES

Absorption	0,06%
Apparent specific weight	2,72
Impact toughness	35,43 in
Flexural strength	19 MPa
Anchor strength	1500 n
Slipperiness	Usrv 80

(Surface finish: cut with diamond)

RECOMMENDED APPLICATIONS AND FINISHES TABLE

APLICACIONES	ACABADO					
	Brush-hammered	Honed	Aged	Trimmed	Polished *	Sawed or cut
Ventilated Facades		*			*	
Wall Coating		*	*	*	*	
Plates		*			*	
Flooring		*	*	*	*	
Paving stones and curbs						

* Polished: Restrictions for outdoor and public use