

# DATASHEET

TECHNOLOGIC  
AL QUARTZ

**BIO**

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CHARACTERISTICS	TESTING METHOD	UNITS	TYPICAL VALUES
<b>FIRE REACTION (EUROCLASSES)</b>	EUROCLASSES UNE-EN-ISO 9239-1:2002 and ISO 1716:2002	EUROCLASSES	A2fl s1
<b>THERMAL EXPANSION COEFFICIENT</b>	UNE EN 14617-11: 2006 Agglomerated stone. Determination of linear thermal expansion coefficient.	°C - 1	29,0 x 10 <sup>-6</sup>
<b>FLEXURAL RESISTANCE</b>	UNE EN 14617-2: 2005 Agglomerated stone. Determination of flexural strength.	MPa	64,1 - 90
<b>IMPACT RESISTANCE</b>	UNE EN 14617-9:2005. Agglomerated stone. Determination of impact resistance.	J	> 15
<b>SLIP RESISTANCE</b>	UNE EN 14231: 2004 Tiles of natural stone for external paving. Requirements and test methods	USRV	7 wet 40 dry
<b>WATER ABSORPTION</b>	UNE EN 14617-1: 2005 Agglomerated stone. Determination of water absorption	%	0,07

The values shown on this data sheet are typical values only, and therefore not legally binding. For further information, please contact our Technical Department.

BIO: PERLINO, CARRARA, PORTORO, IMPERIAL, BOTTICINO, PIERRE BLEUE y NOCE.



CHARACTERISTICS	TESTING METHOD	UNITS	TYPICAL VALUES
<b>COMPRESSION RESISTANCE</b>	UNE EN 14617-15:2005 Agglomerated stone. Determination of the compression resistance.	MPa	229
<b>APPARENT DENSITY</b>	UNE EN 14617-1: 2005 Agglomerated stone. Determination of water absorption	kg/m <sup>3</sup>	2,12 - 2,45
<b>ABRASION RESISTANCE</b>	UNE EN 14617-4: 2005 Agglomerated stone. Determination of the abrasion resistance.	mm.	27 - 33
<b>CHEMICAL RESISTANCE</b>	UNE EN 14617-10: 2005 Agglomerated stone. Determination of chemical resistance	C4	C4 (material keeps at least 80% of the reflection reference value after 8 h of acid or basic attack)
<b>SURFACE HARDNESS</b>	UNI EN 101 Ceramic tiles. Determination of scratch hardness of surface according to MOHS	MOHS	6-7

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