

Comparison with competing materials

The product's technical properties make it excellently suited to its area of application; see comparison below.

Product information

Intercomparison: - poor ± mediocre + good ++ excellent
 Technical properties of worktops and sinks/washbasins

	Ceramics	Solid wood	Laminated particle board	Glass reinforced plastic	Stainless steel	Natural stone	Polymer concrete	Corian	Amfi Solid Surface
Impermeability	2,5	-1,0	-1,0	1,6	8,75	4,8	1,95	1,78	1,75
Barcol hardness of surface	++	-	±	±	++	±	±	+	++
Tensile strength	+	-	-	++	++	±	±	+	+
Ball indentation hardness	++	-	-	±	++	+	±	+	+
Flexural strength	++	-	±	±	++	+	±	+	+
Impact strength	-	-	-	±	++	±	±	++	++
Water absorption	++	-	+ (-)	+	++	-	+	+	+
Wear resistance	++	-	+	±	++	±	+	+	+
Light fastness	+	-	±	+	+	±	+	++	++
Resistance to cooking water	+	-	-	±	++	(+)-	±	++	++
Resistance to dry heat	+	-	-	±	++	(+)-	+	++	++
Resistance to glowing cigarettes	+	-	-	-	++	(+)-	-	++	++
Low flammability	+	-	-	-(+)	++	(+)-	-	++	++
Food safe	+	-	-	±	++	-	±	++	++
Thermal shock test	±	-	-	±	++	(+)-	+	++	++
Strength in joints approx. 80 % material thickness	0	-	-	+	+	-(+)	+	+	+
Mouldability/serial production	serial	-	-	++	serial	-	++	±	++

Norwegian and German test laboratories (*Teknologisk Institutt* and *SKZ - Süddeutsches Kunststoff-Zentrum*) have conducted independent tests on Amfi-Top products. *Teknologisk Institutt*'s analysis dates back to 1997, while *SKZ* analyses the product on an annual basis.