



serilor® CERAM : Soft squeegees for printing onto ceramic



serilor® CERAM quality blades are designed for specialist screen printing onto Ceramics and similar products . Made in a superior abrasion and chemical resistant polyurethane, serilor® CERAM blades offer a long life associated with a perfect knife-cut printing edge. Our exclusive computer controlled casting process guarantees batch to batch consistency.

Each serilor® CERAM blade is inspected for edge quality and profile.

Advantages:

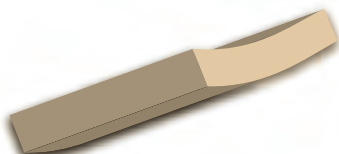
- Will conform to uneven surfaces, specially with 75shA edges (CERAM 3)
- Excellent chemical resistance
- Excellent resistance to abrasion
- High environment stability
- Individual batch and reference ink jet marking on blade
- Individual package protects from dust

Applications:

- Ceramics printing (direct)
- Tiles printing

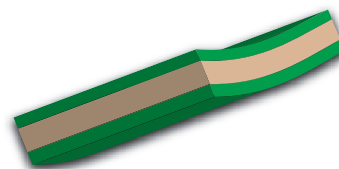
Marking: serilor® CERAM length X width X thickness Profile hardness [batch N°] MADE IN FRANCE

Standard hardnesses : from 35 to 55 shA



Others combinations :

also available with soft core and 75 shA edges for concave and convex printings on uneven and abrasive surface.



serilor® CERAM 3

edges 2 + 2 mm - core 5mm

- 75shA green / 50 shA natural / 75 shA green
- 75shA green / 35 shA natural / 75 shA green

Specifications :		Tolerances :
Length :	3660 mm / 12 ft	≥ 3640 mm
Width :	< 50 mm	±1,0 mm
	≥ 50 mm	+1 / -2 mm
Thickness :	4 - 12 mm	+0,4mm / -0,4mm
Hardness :	35 to 55 shA	±3 shA <small>no more than 2 shA between the 2 sides of a squeegee</small>
Color :	Natural	

Instructions:

In general softer grades (65sh) are used for increased ink deposits and high coverage printing. Harder grades (85sh) are used for reduced deposits, notably when printing UV inks for fine texts and higher line counts.

Do not apply excessive pressure on squeegees as this makes your ink deposit heavy and uncontrollable and creates excessive wear. It is recommended that your squeegee slightly exceeds the printed image in size, and to leave significant free space between your screen edge and both squeegee ends.

Gently insert the squeegee in a machine or hand holder. Use appropriate squeegee thickness to avoid forcing the blade in the holder. If the holder construction allows for it, regularly change the printing side of the squeegee to minimise the effect of bending with speed and pressure. Rotate your squeegee : do not wait until mechanical & chemical wear bends permanently back your blade to replace it by a fresh one and allowing it to relax, flat, for up to 24 hours.

• Cleaning

Remove excess of ink with a cardboard or a soft cloth. Wash blade with an impregnated cloth or in an appropriate cleaning machine. Avoid the use of aggressive chemicals, in particular ink thinners. Let the squeegee rest and the chemicals evaporate before re-use or sharpening.

• Sharpening

serilor® CERAM squeegee blades can be sharpened by all methods commonly used in the screen printing industry (Fimor offers an extended range of diamond wheel sharpeners, please contact us for more informations).

- Belt grinders
- Wheel sharpeners
- Knife cutting machines

Sharpen dry squeegees only. Never allow a squeegee with solvents to be sharpened and don't wash a hot, freshly sharpened blade with chemicals. Do not try to grind excessive material in one pass.

Precision printing requires a preventive sharpening to accomodate the squeegee edge to the holder shape.

• Storing / Shelf life :

For all medium or long term storage, blades must be kept flat, unrolled, especially prior to use. Store in a dry cool place away from any direct source of light. If the squeegee is exposed to extreme temperature and humidity conditions, its hardness characteristics may be altered.

Physical and Chemical specifications: (for 55 shA)

Properties	Units	Norms	Values
Shore hardness at 20°C	shA	DIN 53505	55
Tensile modulus at 10% elongation	MPa	DIN 53504	0.55
Tensile modulus at 100% elongation	MPa	DIN 53504	1.70
Tensile modulus at 200% elongation	MPa	DIN 53504	2.20
Tensile modulus at 300% elongation	MPa	DIN 53504	2.80
Tensile strength	MPa	DIN 53504	42
Tensile strain at break	%	DIN 53504	600
Tear resistance (non initiated tear)	KN/m	DIN 53515	43
Tear resistance (initiated tear)	KN/m	DIN 53515	25
Resilience	%	DIN 53512	48
Abrasion loss	mm ³	DIN 53516	< 80
DRC (25% of crushing during 22 hours at 70°C)	%	DIN 53517	68
Shore hardness at -5°C	shA	DIN 53505	65
Shore hardness at +80°C	shA	DIN 53505	55
Specific gravity	g/cm ³		1.16
Swelling in solvent (70% dihydrofuranone basis)	%	ISO 175	< 40

Manufactured by:



www.fimor.fr

DISTRIBUTED BY:



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