

HAVER "3D" MESH

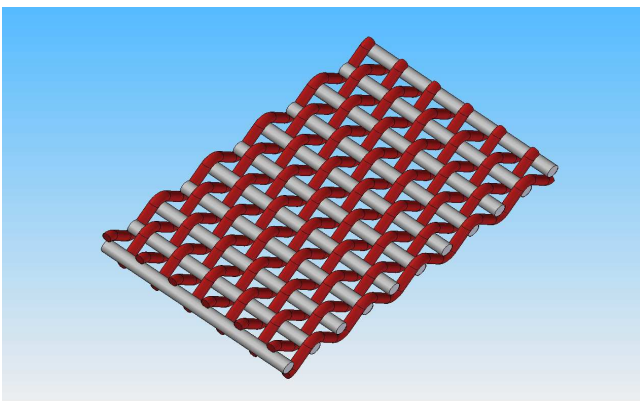
Higher opacity and brilliance in screen printing



Haver "3D" mesh is manufactured with the same mesh openings and wire diameters as the equivalent conventional plain weave specification, however, we are using a special new weaving technique for the "3D" mesh.

Characteristics of our "3D" mesh

The higher fabric thickness of our "3D" mesh results in a higher theoretical ink volume for a visible benefit of opacity and brilliance. Despite of the cloth thickness, finest lines can be printed with this remarkable screen printing mesh.



The warp wires are shown in red, the weft wires in grey. The weft wires are not crimped, so, the warp wires have to loop around the weft wires increasing the cloth thickness almost 3 times of the wire diameter.

In a standard weave pattern, both - warp and weft wires - will be deformed ending up in a cloth thickness of only 2 x wire diameter (plus approx. 10%).

HB-Code	Mesh	Aperture width	Wire diameter	Open Area	Cloth Thickness	Cloth thickness tolerance	Theoretical Ink Deposit		Theoretical max. Tension
		w μm	d μm	Ao %	μm	μm	cm^3/m^2	$\text{inch}^3/\text{ft}^2$	N/cm
Standard									
VA 130-30	325	50	30	39	63	-/+ 3	25	0,140	36
3D									
VA 130-30	325	50	30	39	81	-/+ 3	32	0,179	>36

Should you have any further questions, do not hesitate and let us know. Allow yourself to be convinced.

HAVER & BOECKER

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