

SWK6

Micro-perforated acoustic fabric
for stretch ceilings, walls, panels
and screens



Acoustic Absorption



Fire Retardant
M1 - NF P 92503
EUROCLASS B s2 d0



Fade Resistant
4-5/5 - ISO 105 B04



Protects from
the UV and Heat



Water Repellent &
Stain Resistant



Tear Resistant



Mold Resistant



Easy Care



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GLEN RAVEN™

Performance fabrics for
Solar protection
Outdoor furniture
Indoor furniture
Marine furnishing
Flooring



Edition 08/2019 - SAS DICKSON CONSTANT - capital 12.640.000 euros - 381 347 970 R.C.S. Lille Métropole - Photos ©: Studio Tekhné
- Frédéric Hamon - Vincent Monthiers - groupe ADP/Alain Leduc - Stock.adobe.com: Lujing, Hillary Fox/Stocksy, nexttus, imamoroz -
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> ACOUSTIC COMFORT

- An acoustic membrane which can be used with or without absorbent to achieve exceptional performances.
- Noise absorber, reverberation reducer, the SWK6 enhances acoustics and improves sound comfort in any environment.

> DURABLE AND FIRE RATED

- Being maintenance-free, insensitive to humidity and temperature fluctuations, the SWK6 offers a high colour resistance to UV rays and an unequally durability on its market.
- Internationally fire rated Bs2d0 | M1 | B1 | C1 | Classe 1, the SWK6 is fully compliant with the most demanding and up-to-date architectural norms.

> DESIGN AND CUSTOMIZATION

- Perfectly regular, available in 20 colours, the SWK6 offers both 150 and 300 cm widths, allowing specifiers to design wide monolithic acoustic fabric surfaces.
- For a unique and original aesthetic, the SWK6 is entirely printable with the designs and tones of your choice.

> TEAR AND IMPACT RESISTANT

- Thanks to its Rachel Trameur technology, the SWK6 is fully resistant to rips, shocks, and the ideal solution for any high traffic commercial, public and private places.
- The SWK6 can be installed with any type of perforation and penetration (sprinklers, lighting fixtures, suspensions) with zero risk of deformation or deterioration.

> FLEXIBILITY AND CREATIVITY

- Designed for indoor and outdoor applications, the SWK6 can be used for acoustic and aesthetic purposes, and is suitable with stitching and welding confection methods.
- From a simple flat application, to a curved or a 3D one, the SWK6 adapts to any sizes, shapes and project intents.

> ENVIRONMENT AND HEALTH

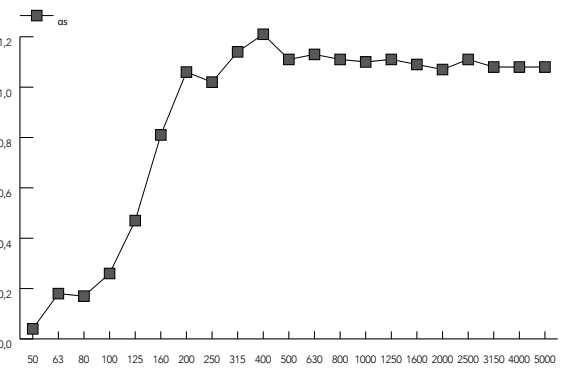
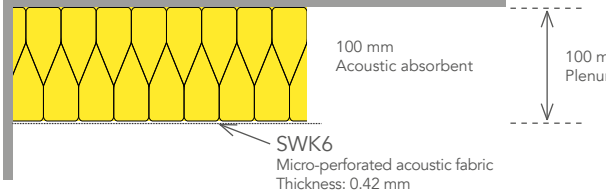
- Lightweight, recyclable, the SWK6 ensures a low impact on our planet.
- GREENGUARD and VOC A+ certified, the SWK6 is a fundamental credit source to any BREEAM, LEED, DGNB and HQE projects.

UP TO 100% ACOUSTIC ABSORPTION

Official acoustic measurements conducted by the CSTB in reverberation room, reports available on request

> #1 Performance: $\alpha_w = 1.00$ | NRC = 1.00 | SAA = 1.11

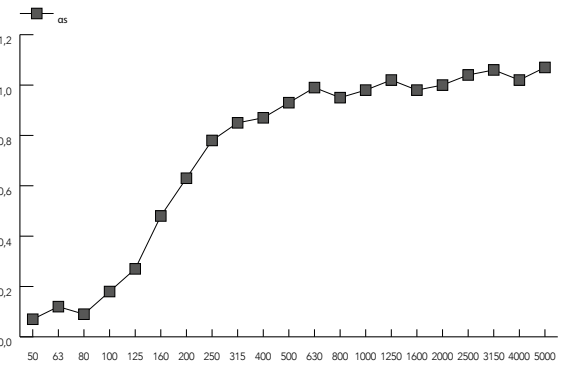
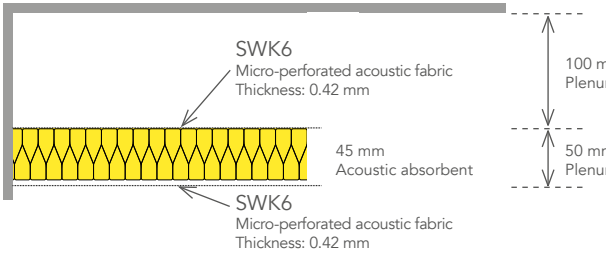
- Main applications: stretch ceilings and walls, printed surfaces
- Configuration: 100 mm plenum, 100 mm acoustic absorbent, single layer of SWK6



f in Hz	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
α_s	0,04	0,18	0,17	0,26	0,47	0,81	1,06	1,02	1,14	1,21	1,11	1,13	1,11	1,10	1,11	1,09	1,07	1,11	1,08	1,08	1,08

> #2 Performance: $\alpha_w = 1.00$ | NRC = 0.95 | SAA = 0.92

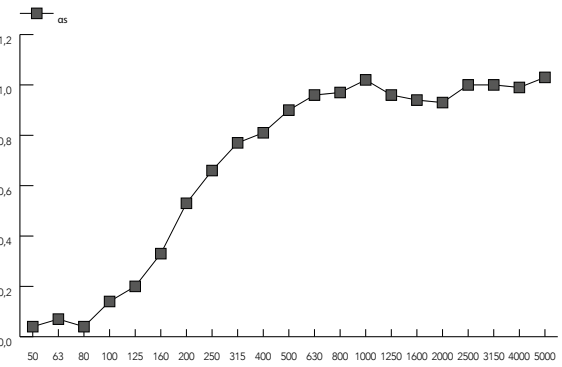
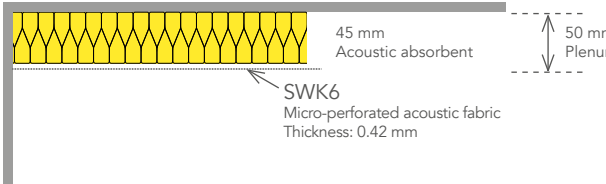
- Main applications: acoustic panels, baffles, printed surfaces
- Configuration: 50 mm plenum, 45 mm acoustic absorbent, double layer of SWK6



f in Hz	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
α_s	0,07	0,12	0,09	0,18	0,27	0,48	0,63	0,78	0,85	0,87	0,93	0,99	0,95	0,98	1,02	0,98	1,00	1,04	1,06	1,02	1,07

> #3 Performance: $\alpha_w = 0.90$ | NRC = 0.90 | SAA = 0.87

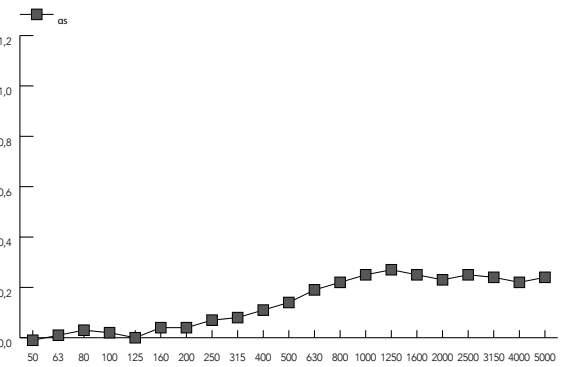
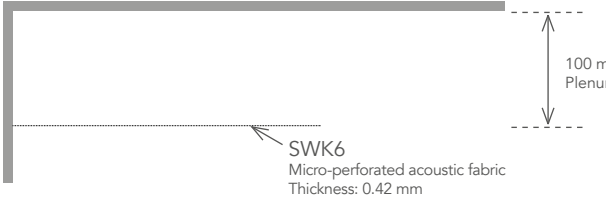
- Main applications: stretch ceilings and walls, acoustic panels, acoustic coverings
- Configuration: 50 mm plenum, 45 mm acoustic absorbent, single layer of SWK6



f in Hz	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
α_s	0,04	0,07	0,04	0,14	0,20	0,33	0,53	0,66	0,77	0,81	0,90	0,96	0,97	1,02	0,96	0,94	0,93	1,00	1,00	0,99	1,03

> #4 Performance: $\alpha_w = 0.25$ | NRC = 0.20 | SAA = 0.18

- Main applications: ZIP screens, velums, aesthetic sliding panels, sails, stretch ceilings and walls
- Configuration: 100 mm plenum, single layer of SWK6



f in Hz	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
α_s	-0,01	0,01	0,03	0,02	0,00	0,04	0,04	0,07	0,08	0,11	0,14	0,19	0,22	0,25	0,27	0,25	0,23	0,25	0,24	0,22	0,24

MULTIPLE APPLICATIONS



HORIZONTAL
AND VERTICAL PANELS



STRETCH CEILINGS



STRETCH WALLS



BAFFLES



SCREENS



PRINTED SURFACES

TECHNICAL CHARACTERISTICS

CHARACTERISTICS	STANDARDS	VALUES
COMPOSITION		50% HIGH TENACITY POLYESTER / 50% PVC
FINISH		DOUBLE-SIDED PVC COATING LOWICK SYSTEM
WEAVE	ISO 7211-1	RACHEL TRAMEUR
WEIGHT	ISO 3801	300 G/M ²
THICKNESS	ISO 5084	0.42 MM
WIDTH / LENGTH OF ROLLS	EN 1773	150 CM / 60 LM 300 CM / 30 LM
COLOUR FASTNESS UV OUTDOOR - 1000H	ISO 105 B04	4-5 / 5* *M721 - M927: 4 / 5
COLOUR FASTNESS UV INDOOR	ISO 105 B02	7 / 8
TEMPERATURE OF USE		-30°C --> +70°C

CHARACTERISTICS	STANDARDS	VALUES
FIRE RESISTANCE	EN 13501-1	EUROCLASS B s2 d0
	NF P 92 503	M1
	DIN 4102	B1
	UNI 9176	C1
	UNE-EN 13773	CLASE 1
TENSILE STRENGTH	ISO 13934-1	CH 220 daN / 5CM - TR 150 daN / 5CM
TEAR STRENGTH	DIN 53.363	CH 220 daN - TR 150 daN
STIFFNESS	ISO 2493	CH 1100 mN - TR 450 mN

These technical specifications are average values with a tolerance of +/- 5%. All the specifications featured in this brochure are for information only and do not constitute a guarantee. Their sole purpose is to provide a general description of the products. They may not be construed as a contractual commitment on our part. It is the customer's responsibility to check the validity of this information and the compliance of the merchandise received prior to installation, carrying out preliminary tests if necessary. It is also his/her responsibility to ensure that the selected product is suitable for its intended use. The customer is responsible for using the product under normal foreseeable conditions and in accordance with all safety and environmental regulations currently in force in the place of use as well as the professional standards of his/her sector. Dickson Constant reserves the right to withdraw from the market any of the products that feature in this brochure and/or to amend the related specifications.

