



DATA SHEET

CELLO® D 2600 • CELLO® D 2600 UV

Cello® D 2600: Closed-cell, noise-absorbing polyethylene foam with low density. Especially suitable for applications where contact with humidity is possible.

Cello® D 2600 UV: Treated with special UV stabilizers, which make the product fit for outdoor applications. Available in black only.

Applications: Machine construction, heating/ventilation/AC systems, cabins/casings/hoods, rail vehicles, sound conditioning, motorboats/yachts



TECHNICAL DATA

FLAMMABILITY

- ▶ FMVSS 302, DIN 75 200, fulfilled
- ▶ ISO 3795, burning rate < 100 mm/min
- ▶ DIN 4102, tested according to B1 (30 and 50 mm) (D 2600, NK)
- ▶ DIN 4102, tested according to B2 (50 mm) (D 2600 UV, NK)
- ▶ EN 45545-2: requirement R7, HL 3 fulfilled (20-50 mm) (D 2600, black, NK)
- ▶ ECE R-118, annexes 6 and 8 fulfilled (≥ 13 mm) (D 2600, black, NK)



TEMPERATURE RESISTANCE

-50°C to +80°C (short-term: up to 100°C for 30 min per day)

THERMAL CONDUCTIVITY / ISO 8301

≤ 0.082 W/(m·K) at -5°C

DENSITY / DIN EN ISO 845

25 kg/m³

WATER ABSORPTION / UNI EN 12088

Water pick up by diffusion (RH > 95% after 28 days) < 4% Vol.

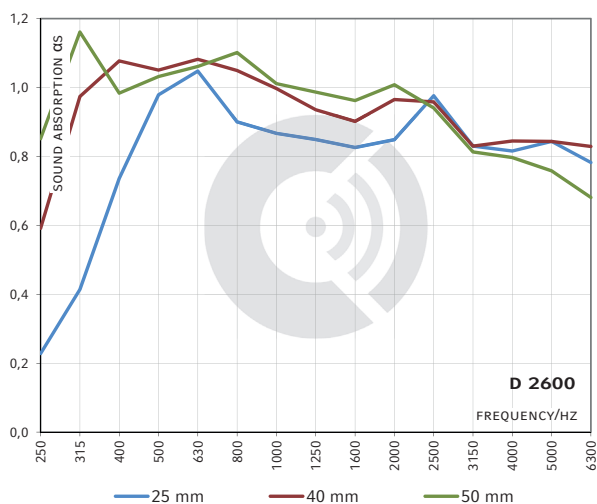
ADHESIVE STRENGTH ON SHEET STEEL

acc. to CPA-4.01: D 2600 SK-05: 20-24 N/5 cm

THERMAL STABILITY / SHRINKAGE ISO 2796

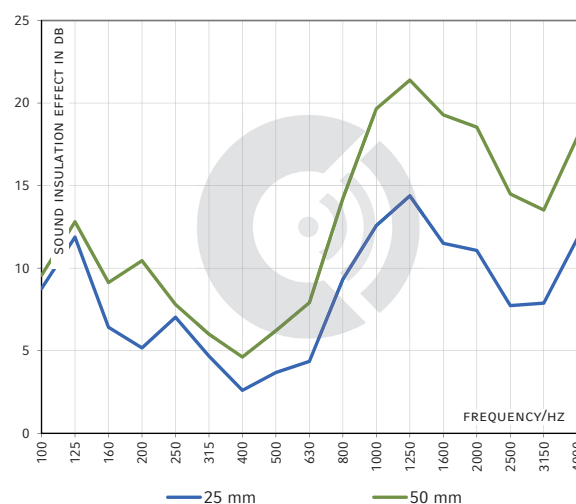
D3575-08 Suffix s, 24 hours < 3% at 70°C

REVERBERATION ROOM / DIN EN ISO 354



SOUND TRANSMISSION LOSS

test procedure similar to DIN EN ISO 10140-2



25 mm: $R_w = 8$ dB

50 mm: $R_w = 13$ dB

acc. to DIN EN ISO 717-1

DIMENSIONS

PRODUCT	THICKNESS [mm]	THICKNESS TOLERANCE [mm]	SHEETS* [mm]
D 2600	25, 40, 50, 80, 100**	up to 50 - 0 / + 8 more than 50 -2 / +16	1200 X 2400
D 2600 UV	50**	- 0 / + 8	1200 X 2400

Other thicknesses / dimensions on request. Ready-to-use parts according to your specifications or drawing.

*Untrimmed: Effective dimensions guaranteed as ordered, may be exceeded by some layers (foam, film, non-woven etc.).

**Thicknesses 40, 50, 80 and 100 mm consist of several layers.

MORE INFORMATION

BENEFITS

- ▶ Excellent resistance against chemicals
- ▶ Dirt-repellent and easy to clean
- ▶ Very good stability and sturdiness
- ▶ Good resistance against humidity, freezing temperatures and dirt
- ▶ Does not offer a substratum for the growth of bacteria or mold
- ▶ Corrosion protection of covered metal sheets
- ▶ High performance values for low and medium frequencies
- ▶ Can be completely recycled using standard industrial processes
- ▶ Thanks to its engineered structural properties, this foam reaches sound attenuation values that are usually only attainable with much heavier acoustic materials

ADVICE

In case of direct weather exposure, the cut edges need to be covered (D 2600 UV)

OPTIONS

(FURTHER OPTIONS ON REQUEST)

D 2600 NK	no self-adhesive equipment	
D 2600 F-01 NK	Rear face laminated with a backing film. Smoother rear face facilitates adhesive fixation. Please note: Front face also smoother.	FLAMMABILITY ▶ FMVSS 302, DIN 75 200, fulfilled ▶ ISO 3795, burning rate < 100 mm/min
D 2600 SK-05	Same as D 2600 F-01 NK, but with self-adhesive finish in addition. When mounted overhead or on uneven or curved surfaces, mechanical fixation is required.	FLAMMABILITY ▶ FMVSS 302, DIN 75 200, fulfilled ▶ ISO 3795, burning rate < 100 mm/min
EXAMPLE FOR	D 2600 black = D 2600	
ORDERING CODE	D 2600 white = D 2600W	



D 2600 F-01 NK (rear face)



D 2600 SK-05