

INSULATION FOAM SYSTEMS

Choose by project requirements with SPRACO assistance.

CLOSED-CELL SPRAY FOAM

Higher thermal performance · rigid · low vapour permeability

Highlighted values = strongest published parameter among systems shown

■ Thermal

■ Mechanical

■ Low-temp

Manufacturer / system	λD W/m·K	Density kg/m³	Compression kPa	Fire	Application / distinctive strength
Huntsman Heatlok HFO Pro	0.025	32-36	150	E	Substrate down to -5°C; up to 50 mm/pass; HFO LOWEST APPLICATION TEMP
PLIXXENT PLIXXOPOL SF 640100	0.023 LOWEST λD	≈33.5*	200	E	Very low declared λD; μ 109; water absorption 0.05 kg/m²; HFO
TOGO Closed-cell foam	0.027	28-41	—	—	General-purpose rigid foam; water-resistant closed-cell structure
PCC Prodex EKOPRODUR S0541	0.026 / 0.024 / 0.023** LOWEST λD ≥120 mm	≥49 HIGHEST PUBLISHED	≥300 HIGHEST COMPRESSION	E BROOF(t1)	High mechanical load; roofs, floors, foundations; HFO GWP 1
Synthesia Spray S-303 HFO	0.026-0.028	35-45	ND	E	Certified multi-market system; façades, ceilings, suspended floors; HFO
BASF WALLTITE LWP 600	0.025***	grade-specific	≥200	See DoP	Airtight + moisture control; closed-cell LWP/HFO platform; rapid application

Choose by project requirements — with SPRACO assistance

Tell us what matters most: insulation thickness, mechanical load, substrate temperature, moisture exposure and schedule. SPRACO checks the current TDS / DoP and proposes the suitable foam grade for the project.

Colour marks are decision aids, not quality rankings: each colour identifies a different performance advantage.

Need a recommendation?

SPRACO can provide the current TDS / SDS / DoP for the selected system before project approval.

* DoP designation FRC33.5. ** PCC λD depends on installed thickness: <80 mm 0.026; 80-119 mm 0.024; ≥120 mm 0.023 W/m·K.

*** WALLTITE LWP 600 DoP value shown at 200 mm; fire performance and other properties are confirmed for the selected grade/application.

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OPEN-CELL SPRAY FOAM

Lightweight · vapour-open · thermal + acoustic insulation

Highlighted values = strongest published parameter among systems shown

■ Thermal

■ Low-temp

Manufacturer / system	λ D W/m·K	Density kg/m ³	Fire	Water / vapour	Best fit
Huntsman H2Foam Lite E	0.037 LOWEST λD	7-9	E	μ 4.4 W 0.3 kg/m ²	Cold climate / interiors; 100% water-blown; substrate down to -15°C LOWEST APPLICATION TEMP
TOGO Open-cell foam	0.038	8-10	—	vapour-open	General thermal + acoustic; lightweight, soft and breathable
PCC Prodex EKOPRODUR S11E-MAX	0.038	≥6.5	E	μ 6 ≤2.85 kg/m ²	Thermal + acoustic; low-density interior insulation
Synthesia Spray S-OC-008E	0.039	7-12	E	≤3 kg/m ²	Thermo-acoustic cavities; 100% water-blown; walls and façades
BASF ENERTITE HY 1602/12	0.039	7-10	E	≤5 kg/m ² <20% closed cells	Cost-efficient interiors; water-blown; walls, ceilings and attics

Which foam type fits your project?

CLOSED-CELL

- Lower λ / thinner build-up
- Rigid and mechanically stronger
- Low water and vapour permeability
- Roofs, floors, foundations, industrial shells

OPEN-CELL

- Lightweight and high-yield
- Vapour-open
- Good sound absorption
- Interior walls, roofs, ceilings and cavities

Send us 6 project inputs — we will propose the material system

1 Substrate

steel / concrete / timber / masonry

2 Area

m² and geometry / access

3 Target

thickness, U-value or λ priority

4 Exposure

interior / exterior / moisture / condensation

5 Load

mechanical load / traffic / roof or floor duty

6 Schedule

location + required start date

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