Barcelonesa
Global Chemical Solutions

PROVIDING COMFORT TO THE WORLD

Polyurethane Systems for
Projection and Foam blowing

Polyurethane Systems for Projection and Injection

Sustainability, energy efficiency, and fire rating. Thermal insulation in construction has a direct impact on energy savings and sustainability of the planet. Polyurethane foams are the most efficient known type of insulation thanks to the fact that enhanced thermal conductivity can be achieved with reduced thickness.

At Barcelonesa, we are experts in polyurethanes and are happy to offer you a range of polyurethane systems and raw materials for insulating walls, ceilings, or floors, regardless of whether you are spraying in situ or manufacturing the product at your facilities prior to delivery to the site.

Increasingly more challenges arise every day in the construction of industrial facilities, the interiors of buildings, or in home renovations. By simply immersing ourselves in your situation, we can help you find the very best solution.

Here you will find our main systems for thermal insulation compatible with multiple applications, **all of them environmentally friendly.**

If you don't find what you are looking for, ask us!

Our Polyurethane Systems

RIGID SPRAY

			UNE en 1602:2013	UNE EN 12.667	UNE EN 13823:2002	EN 14315-1:2013
System	Application	Blowing Agent	Applied density (Kg/m3)	Termal Conductivity	Fire resistance classification	Compressive strength (kPo)
BD SYS 6102	Celling / Wall	Water	32 - 38	0.031	EUROCLASE E	≥150
BD SYS 6103	Celling / Wall / Floor	Water	37 - 42	0.031	EUROCLASE E	≥ 200
BD SYS 6105	Celling / Wall / Floor	Water	38 - 42	0.031	M1	≥ 200
BD SYS 6107	Open cell / filling cavity wall	Water	15 - 20	0.038	EUROCLASE F	n/d
BD SYS 6109	Roofing	Water	70 - 75	0.030	EUROCLASE E	≥ 300
BD SYS 6602	Celling / Wall / Floor	HFO	37 - 42	0.025 - 0.027	EUROCLASE E	≥ 200

INJECTION

			UNE en 1602:2013	UNE EN 12.667	UNE EN 13823:2002	EN 14315-1:2013
System	Application	Blowing Agent	Applied density (Kg/m3)	Termal Conductivity	Fire resistance classification	Compressive strength (kPo)
BD SYS 6801	Void filling	Water	15 - 25	0.035	EUROCLASE E	n/d

MICROCELLULAR POLYMER ANTI-UV

System	Application	Applied density (Kg/m3)
BD SYS 6501_300	PU foam coating	280 - 320
BD SYS 6501_800	PU foam coating	780 - 820

ISOCYANATE

All our systems are dual-component and are rounded out with our PMDI BD Isocyanate S.

System	NCO Content %	Viscosity (mPo.s)	Acidity (%)	Specific gravity (g/l)	Boiling point (°C)	Freezing point (°C)
BD ISOCYANATE S	30.5 - 32.5	150 - 250	max. 0.2	1.23 - 1.25	200 - 208	< -20

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