

About Carpenter

Founded in 1950, Carpenter Co. is the world's largest vertically integrated manufacturer of polyurethane foams. Carpenter also serves a diversified global marketplace with polyurethane chemical solutions, polyester fibers, and insulation materials through a network of more than 70 production locations. Our 6,500+ employees across the globe seek to provide the most innovative products and solutions with a focus on enhancing the quality of people's lives while being a good steward of our resources.

carpenter.com

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Efficient and Sustained Protection

RegiSeal™ foam Reticulated Foams



Newest Generation of Reliable Sealing Solutions

Protect your assemblies and complex systems against the unintentional penetration and leakage of moisture, such as water, oil and other liquids, as well as gases and fine particles. Our RegiSeal™ foam sealing solutions are not only airtight, watertight and offer protection against dirt, dust, sound, vibration and heat, but are easily compressible as well. They are also hydrolytically stable and durable.

With RegiSeal™ foam, you're choosing an innovative sealing technology based on state-of-the-art polyurethane foam technology. Our fine-pored and supple RegiSeal™ foam products meet today's demands for durable special seals and are used in many different sectors such as the automotive, appliance & machine and construction industries.

Application areas



Construction sector

- Glazing seals
- Sound insulation
- Roofing tiles
- Ventilation and air conditioning installations
- Door frame seals
- Sanitary installations



Automotive industry

- Dampers
- Roof bracket seals
- Window seals
- Door dampings
- Tank dampings
- Door mirror seals
- Battery box covers
- Car bonnet seals
- Air conditioner seals



Appliance & machine industry

- Washing machines
- Dryers
- Dishwashers
- Refrigerators
- Air conditioning units
- Vending machines



The Right Product for Every Application Area

The RegiSeal™ foam portfolio comprises various types of supple, polyether-based polyurethane foams with a net density of 33 kg/m³. The products are characterized by their especially fine and closed-cell foam structure.

RegiSeal® Aqua

Watertight in accordance with the Denso test
(24 h at only 20% compression)
40% material savings, 40% less compression

RegiSeal™ TN 30 FR TS

Air permeability: < 10 l/m²/s
Extremely airtight

RegiSeal™ TN 30 FR

Air permeability: 5 - 60 l/m²/s
Good air tightness

RegiSeal™ TN 30 FR X

Air permeability: 50 - 300 l/m²/s
Slight air permeability

RegiSeal™ Technical Data

All RegiSeal® products are available as blocks, sheets and converted parts.
The products from the RegiSeal® TN family are also available as rolls.

Typical technical data	Tightness	Net density	Compression load deflection	Tensile strength	Elongation at break	Burning rate
	[l/m²/s] ISO 9237	[kg/m³] ISO 845	[kPa] ISO3386-I	[kPa] ISO 1798	[%] ISO 1798	FMVSS 302
RegiSeal™ TN 30 FR X	50 - 300	33	5.0	90	90	SE/NBR
RegiSeal™ TN 30 FR	5 - 60	33	4.5	100	130	SE/NBR
RegiSeal™ TN 30 FR TS	< 10	33	5.0	160	130	SE/NBR
RegiSeal® Aqua	watertight	32	11.0	100	50	SE/NBR

The listed measured values are typical values and are for information purposes only.
They do not replace product specifications, which are subject of separate written agreements.

SE self-extinguishing
NBR no burning rate

