

Polyurethane Systems for Commercial Refrigeration



A WORLD LEADER IN POLYURETHANE CHEMISTRY

Here at Carpenter, our experts formulate our 2-component polyurethane systems to meet the market needs and the ever-changing regulatory landscape.

Below you will find an overview of our low GWP (Global Warming Potential) systems suitable for commercial refrigeration applications:

	Walk-in Cooler Panels	Reach-in Coolers / Ice Machines	Reach-in Coolers / Ice Machines	Specialty Applications
Free Rise Density (pcf)	1.70	1.70	1.55	2.10
In Place Density (pcf)	2.2 – 2.4	2.2 – 2.4	2.2 – 2.4	2.4 – 2.6
R-Value /in.				
20 °F Mean Temperature	8.0	8.0	7.9	8.5
55 °F Mean Temperature	7.1	7.1	7.0	7.6
75 °F Mean Temperature	6.7	6.7	6.6	7.1
Flammability Test /Rating	UL-723 Class 1	UL-94 HF1	UL-94 HF1	UL-723 Class 1
System Name	LDB-173S-1	LDB-172S-HF1	Ecofroth 155SG-HF1	LDB-210SG-1

NOTE: Request a copy of the Technical Data Sheets for more information.
Additional systems are available upon request.



Our polyurethane systems are produced at our sites in IN, MI, TX & VA.

Interested? Contact your Carpenter representative or send your request to chemical.systems@carpenter.com.