

Face the Freeze

WITH SUB ZERO™ FREEZER GRADE ADHESIVE



The high-performing adhesive specifically designed
for the demands of frozen conditions



Freezing temperatures create some of the most demanding challenges for label adhesives. You can't trust a general purpose adhesive to withstand the unique demands of these conditions. That's why Technicote has created **Sub Zero** — a hot melt adhesive specifically created to face the stress of your customers' frozen storage and shipping environments.





FREEZER GRADE ADHESIVE

Sub Zero is an aggressive rubber based hot melt adhesive designed to work in challenging freezer applications. This adhesive displays high initial tack and ultimate adhesion when applied to a variety of packages in typically demanding freezer temperatures as low as -10° .

Sub Zero freezer grade adhesive withstands temperatures as low as -10° F

A VARIETY OF APPLICATIONS

It can be used on a number of substrates including corrugated, rough surfaces, flexible packaging, varnished paperboard, and packages exposed to frost. Sub Zero is perfect for food distribution, packaged poultry and meats, and logistics where frozen conditions are experienced.

FLEXIBLE SOLUTIONS

Our Sub Zero adhesive can be combined with a number of facestocks and liners to provide the perfect solution to your customers' needs.

HOT MELT ADHESIVE COMPARISON CHART

ITEM	DESCRIPTION	MIN. APP. TEMP.	SERVICE RANGE	TYPICAL APPLICATIONS
Sub Zero	Freezer Grade	-10	-40 to 140	Labeling environment where frost is present including food distribution, packaged poultry and meats, and box labels.
TD101	Dairy Grade	10	-50 to 145	Difficult to adhere to substrates in challenging environments including milk lids & labels, refrigerated beverage, and packaging films.
TD750	Economical All-Purpose	25	-65 to 140	Applications that require general purpose labeling solutions including beverages, low surface energy plastics and box labels.
TD950	Premium All-Purpose	20	-65 to 140	General purpose functionality with enhanced converting and die-cutting performance.



ENGINEERED INNOVATIONS

Have a challenging application that can't be addressed with an existing adhesive? Technicote will work with you to create the perfect custom adhesive. Our team of professionals has spent decades innovating label and packaging solutions for a variety of applications, environments and materials. Utilizing that broad experience, our asset base and go-to-market strategy, we can rapid prototype an original hot melt product specifically for your customer's needs.

SUB ZERO *Technical Specifications*

An aggressive rubber based hot melt adhesive designed to work in challenging freezer applications. This adhesive displays high initial tack and ultimate adhesion when applied under typically demanding freezer conditions. Recommended for freezer applications including frozen food and meat package labels and flash frozen food processes. Sub Zero can be applied at temperatures as low as -10° F to a variety of surfaces, including those with some level of frost present. Not recommended for applications above room temperature.

General Information

ADHESIVE TYPE

Freezer-Grade,
Permanent Hot Melt

SHEAR

180 minutes (4.4psi @ 72° F)

MINIMUM APPLICATION TEMPERATURE

-10° F

SERVICE TEMPERATURE

-40° F to 140° F

Typical Adhesion Values

STAINLESS STEEL

180° Peel: 4.3 lb/in

Loop Tack: 7.1 lb/in²

POLYETHYLENE

180° Peel: 4.1 lb/in²

CORRUGATED

180° Peel: 3.5 lb/in²

Regulatory Approval

RoHS: Yes

REACH: Yes

CPSIA: Yes

Prop 65: Yes

TPCH: Yes

Indirect Food: Yes

Direct Food: No

UL: No

For data sheets or more information about Sub Zero and other Technicote hot melt adhesives, contact your sales representative or visit technicote.com.

