TECHNICAL DATA SHEET

SOUNDCOAT

ALL ADHESIVES: PHYSICAL PROPERTIES

Adhesives play a crucial role in the application of noise control materials. Today's acoustical materials are required to serve in extreme environmental conditions including heat, humidity, chemical exposure, shock and vibration. In addition, they must be cost effective and easy to apply. The success of a noise control treatment depends upon careful consideration of an adhesive that meets these requirements. Soundcoat's noise control materials are complemented by several adhesive options to serve every possible industrial need.

	AG	MD-K	HP-5	HP-10	AA653	Twin Tack
Application	General purpose High temperature Low cost	General purpose High tack Medium temperature	General purpose High holding power High temperature	General purpose High holding power High temperature	General purpose Low surface energy	Repositionable for prototypes General purpose High peel strength
Adhesive Type	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Synthetic rubber
Adhesive Thickness	0.004"	0.004"	0.004"	0.008"	0.003"	0.004"
Release Liner	Glassine Paper, 90 g/m2	Polycoated Paper	Polycoated Paper	Polycoated Paper	Polycoated Paper	Polycoated Paper
Shelf Life	1 Year	2 Years	2 Years	2 Years	1 Year	2 Years
Rolling Ball Tack (PSTC #6)	< 6"	< 2.0"	< 2.0"	< 2.5"	N/A	< 2.5"
180° Peel Strength (PSTC #1, lb/in)	Initial (RT): > 4.5 1 hr (RT): > 5.0 24 hr (RT): > 5.5 1 hr, 150° F: > 6.0 24 hr, 150° F: > 6.5	Initial (RT): > 3.5 1 hr (RT): > 4.5 24 hr (RT): > 5.0 1 hr, 150° F: > 8.0 24 hr, 150° F: > 8.0	Initial (RT): > 4.0 1 hr (RT): > 4.5 24 hr (RT): > 6.0 1 hr, 150° F: > 8.0 24 hr, 150° F: > 8.0	Initial (RT): > 4.0 1 hr (RT): > 5.5 24 hr (RT): > 6.5 1 hr, 150° F: > 8.0 24 hr, 150° F: > 8.5	Initial (RT): > 6.0 1 hr (RT): > 6.5 24 hr (RT): > 7.0 1 hr, 150° F: > 8.0 24 hr, 150° F: > 8.0	Initial (RT): > 4.0 1 hr (RT): > 4.5 24 hr (RT): > 6.0 1 hr, 150° F: > 8.0 24 hr, 150° F: > 8.0
Shear Adhesion (PSTC #7, 1000 g/ sq·in)	>2000 Min	> 10 hrs with no failure	> 20 hrs with no failure	> 15 hrs with no failure	>7 Days	N/A
SAFT	> 250° F	PET: 244° F Foil: 219° F	PET: 278° F Foil: 241° F	PET: 278° F Foil: 241° F	>200c	N/A
Service Temperature: Continuous Intermittent	-40° F to 400° F	-45° F to 170° F -45° F to 250° F	-60° F to 250° F -60° F to 300° F	-60° F to 250° F -60° F to 300° F	-30° F to 250° F	Max 100° F Max 200° F
Weathering	Excellent	Excellent	Excellent	Excellent	N/A	Not for outdoors
Gasoline Resistance	Fair	Fair	Fair	Fair	N/A	Poor
Water Resistance	Excellent	Excellent	Excellent	Excellent	N/A	Fair
Hydraulic Oil Resistance	Good	Good	Good	Good	N/A	Fair
Soundcoat Product Applications	Acoustical foams	Acoustical foams Damping sheets Sound barriers	Acoustical foams Damping sheets Sound barriers	Acoustical foams Damping sheets Sound barriers	Acoustical foams Damping sheets	Acoustical foams Damping sheets

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