DAXCEL FOAMASTIK® 161-D
INSULATION ADHESIVE

1. PRODUCT NAME
DAXCEL FOAMASTIK 161-D ADHESIVE

2. SUPPLIER
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3. PRODUCT DESCRIPTION
DAXCEL FOAMASTIK 161-D IS a versatile cold bonding adhesive/sealant/vapor barrier that creates a durable, resilient bond between nearly any sound substrate and rigid foamed insulation such as expanded or extruded polystyrene, polyurethane, isocyanurate, cellular glass and phenolic.

4. ADVANTAGES SUMMARY
- Very low VOC (less than 100 g/l)
- Permanently Resilient
- Adheres to practically any sound surface
- Immediate bond holds most insulation
- Acts a vapor barrier
- Not affected by freezing temperatures
- Application Range between -30 to 100°F
- Service Range is -50 to 200°F
- Recommended for use with expanded or extruded polystyrene and cellular glass.

5. ADVANTAGES DETAIL
DAXCEL FOAMASTIK 161-D is heavy-bodied, remains internally resilient and provides excellent long-term bridging effects allowing the bonding of rigid insulation to irregular surfaces. These traits also make DAXCEL FOAMASTIK 161-D a very effective joint sealant for use between insulation panels and between insulation and surfaces such as walls, floors and ceilings.

DAXCEL FOAMASTIK 161-D can be used as an effective vapor barrier with a WVT rate of 0.01 Perms (1/8" thick).

DAXCEL FOAMASTIK 161-D contains 5% solvent, minimizing shrinkage and VOCs (under 100 g/l). Cured volume essentially equals applied volume. Versus products that shrink 50%, DAXCEL FOAMASTIK 161-D may provide double the cured volume.

DAXCEL FOAMASTIK 161-D will not attack polystyrene insulation materials.

While many competitors with subfreezing flashpoints, DAXCEL FOAMASTIK 161-D is not a fire hazard at normal room temperatures.

DAXCEL FOAMASTIK 161-D is both water and moisture resistant and will not cause off-odor or flavors in foods and is favored for near-food applications.

DAXCEL FOAMASTIK 161-D is the insulation adhesive of choice for low temperature food and beverage applications, maintaining its strength over a wide temperature range. Its resiliency enables it to absorb the stress of expansion/ contraction common in low temperature facilities.

6. INSTALLATION
DAXCEL FOAMASTIK 161-D is applied using standard caulking guns and plain steel or notched trowels.

DAXCEL FOAMASTIK 161-D may be applied under a broad range of conditions and is unaffected by sub-zero temperatures. If separation does occur over time, hand stirring will restore the blend. For cold temperature use, DAXCEL FOAMASTIK 161-D should be kept warm prior to use and applied with care, as it will stiffen on cold surfaces, impeding even spreading.

Bond the insulation to the substrate immediately or within one hour after application. The initial bond will support most weights of insulation, while still allowing for leveling and positioning. To maintain its resiliency, DAXCEL FOAMASTIK 161-D cures gradually and it is best to avoid pressures which would promote bond separation for the first 24 hours,

Where both surfaces are impervious to air, a slower cure rate will require special application methods. In such cases, or where heavier boards are involved, allow at least 48 hours and use mechanical fasteners at the top of the board.

As an Adhesive
Apply DAXCEL FOAMASTIK 161-D to the insulation or, if needed, to the substrate. For best adhesion or thermal stress absorption, use square notched trowels (1/4" notches on 1/2" centers). For most applications, use a triangular notched trowel or the stripe, or gob methods.

Ceiling Applications
Use the trowel or the stripe method for ceiling applications, with mechanical fasteners to support the insulation while DAXCEL FOAMASTIK 161-D cures. For lightweight insulation, such as expanded or extruded polystyrene, the bead method or gob method is acceptable.

As a Vapor Barrier and Adhesive
Apply DAXCEL FOAMASTIK 161-D with a plain steel trowel, taking care to fill in any voids in the substrate with the material to assure the continuous 1/8" thick film required to achieve the 0.01 perm rating.

As a Sealant
DAXCEL FOAMASTIK 161-D may also be applied as a joint sealant, by extruding it in bead form or by buttering the entire joint with a trowel or putty knife.

Singapore's Billion Dollar Pontiac Marina Insulated using Daxcel Foamastik 161-D

7. CLEAN UP
Scrape cured material and clean with mineral spirits or petroleum naphtha. Dispose of generally as oil-based paint. Solvents present their own hazards: Handle and dispose of solvents and solvent-adhesive mix according to their directions.

8. COVERAGE
Coverage depends on application technique. Unlike products that shrink substantially, DAXCEL FOAMASTIK 161-D's cured volume is essentially the same as its wet volume.

Trowel Method:	25 to 50 ft²/gal
Gob Method:	75 to 250 ft²/gal
Stripe Method:	35 to 80 ft²/gal
Bead Method:	3 lineal ft/oz
Vapor Barrier:	12½ ft²/gal
Ceiling:	25 to 75 ft²/gal

9. PHYSICAL PROPERTIES
Weight:	14.8 lbs / gallon	
Color:	Off-white to Gray	
Consistency:	Soft mastic	
Odor:	Wet	Mild solvent
	Cured	None
Flash point:	104°F (wet - PM CC)	
Flame/Smoke:		
Adhesive (cured)	*20 / 70 (ASTM E 84* - notched trowel @ 25 ft²/gal)	
Sealant (cured)	5 / 0 (ASTM E 84–with 5 / 0 pipe covering insulation)	
Shrinkage:	Negligible (less than 5%)	
Shelf Life:	Two years (unopened)	
Open Time:	Two hours	
Service temp:	Cured	-50°F to 200°F
Application temp:	Surface	-30°F to 100°F
	Material	40°F to 90°F
Permeability:	0.01 perms (1/8" thick film)	
Aging:	Excellent (non exposed)	
VOC:	<100 g/l	

10. SIZES
DAXCEL FOAMASTIK 161-D is packaged in 5, 3-1/2 and 2 gallon pails; 10.3 oz. tubes (10/case) and 30 oz. cartridges (12/case).

11. TECHNICAL DATA
Detailed product information, including application, technical and specification bulletins, as well as the Material Safety Data Sheet, are available upon request. Many of these forms are available for downloading from the Dacar Products web site: www.dacarproducts.com.