

# 830-05

## Fire Resistive Roof and Insulation Adhesive

### Physical Properties

-Colour	Blue	-Flammability	
-Solids by Volume	40% (approx.)	Wet	Extremely Flammable
-Weight	0.8 kg/l (approx.) (8.0 lbs./gal.)	Dry	Flame Spread (CAN/ULC S102) applied at 6.0 m <sup>2</sup> /l (300 ft <sup>2</sup> /gal.) on cement board.
-Coverage	6 m <sup>2</sup> /l (300 ft. <sup>2</sup> /gal.) on solid surfaces or 8 to 10 m <sup>2</sup> /l (400 to 500 ft <sup>2</sup> /gal.) on fluted steel deck.		Flame Spread Classification FSC1 7 Smoke Developed
-Drying Time			
Initial Set	@ 50% R.H. 20°C (68°F)		
Set Through	30 minutes		
-Application Temp	2 hours		
	-18°C to 35°C		
-Service Temp	(0°F to 95°F)		
(glue line)	-40°C to 70°C (-40°F to 158°F)		

### Description

**830-05** is a fluid, rapid setting, synthetic rubber based adhesive, which dries to a very tacky film.

### Features

- Suitable for bonding polystyrene insulation to fluted steel deck
- Very fluid consistency allows easy application by brush, roller or spray
- Can be applied at low temperatures
- Rapid setting
- Dries to a fire resistive film

### Uses

Used for bonding gypsum board or insulation such as polystyrene or fibrous glass to steel or wood in the construction of roof decks. Can also be used for bonding certain sheet vapour barriers to roof decks, for bonding lightweight insulation materials to metal wall installations or ductwork and for laminating insulation to various construction materials.

### Limitations

Avoid use in areas where solvent vapours may taint food or other susceptible products. Do not use on steel having a polyvinyl chloride plastic finish. Not effective for bonding fibreboard insulations. **Do not use Bakor 830-05 for bonding two polystyrene insulation layers together.**

### Preparation

Surfaces must be sound, well secured, dry and free from frost, dust, dirt, grease, oil or other contaminants.

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### Application

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**Polystyrene Foam:** Apply by roller, spray or brush a uniform coat of adhesive to the steel deck. Wait 3 to 10 minutes depending on atmospheric conditions to allow the solvent to evaporate. Place the panels and apply pressure (e.g. by walking on top) to ensure good contact.

**Gypsum Board or Fibrous Glass:** For bonding porous materials apply the adhesive to the substrate as above but it is not necessary to wait for the solvent to evaporate. It is preferable to complete the assembly while the adhesive is still wet.

### Clean Up

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Use mineral spirits.

### Caution

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Contains extremely flammable solvents. Take suitable fire precautions. Do not allow smoking or welding in working area. Keep away from heat and open flame or spark. Use under well ventilated conditions. Keep containers covered when not in use. Avoid prolonged breathing of vapour and repeated contact with the skin. Harmful if swallowed.

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