PITTSBURGH CORNING
FOAMGLAS®
INSULATION ACCESSORIES
800 Presque Isle Drive
Pittsburgh, Pennsylvania 15239-2799
Tel: 724/327-6100 Fax: 724/327-5890
www.foamglasinsulation.com

PC® 88 ADHESIVE
PRODUCT DATA SHEET

IMPORTANT: MATERIAL SAFETY DATA SHEETS ARE AVAILABLE AND SHOULD BE READ BEFORE USING THIS PRODUCT

DESCRIPTION:
PC® 88 is a two part adhesive for bonding FOAMGLAS® insulation to itself or to other porous or nonporous substrates. Air curing is not required. It has excellent wetting characteristics and cures to form a flexible bond that absorbs mechanical and thermal shock.

***TYPICAL PROPERTIES:**

Color:	Black
Wt/gallon, lbs (kg/l):	8.4-9.6 (1.01-1.15)
Solids, % wt:	92-96
Coverage, sq ft/gal (m^2/l):	20 (.5)
Flash Point, PMCC, °F (°C):	>150 (65.5)
Flame Resistance, dry:	combustible
Application Temperature, °F (°C):	
Material:	70-95 (20-35)
Surface, min:	40 (5)
**Service temperature, °F (°C):	-70 to 180 (-55 to 82)
Working time, minimum @ 77°F (25°C) minutes:	90
Permeability, perm-inch (perm-cm) ASTM E96	0.005 (0.008)

*Properties subject to change. Consult Pittsburgh Corning Corporation
**May be used at lower temperatures if surface is dry.

SURFACE PREPARATION:
Surfaces must be free of moisture, loose scale and rust, dust, oil and grease. Asphaltic primers, coal tars, silicones, alkyd or other solvent sensitive or thermoplastic primers or coatings should not be used. Some acceptable primers are zinc-rich, polyester and epoxy. If in doubt, always check surface for adhesion before starting work with a test block. Apply a small block and let cure for a minimum of 24 hours. Block should break before adhesive peels from surface. A one quart kit is available on request for test purposes.

MATERIAL PREPARATION:
THIS IS A TWO COMPONENT MATERIAL THAT MUST BE MECHANICALLY MIXED PRIOR TO USE. BE SURE YOU HAVE READ AND UNDERSTAND ALL INSTRUCTIONS, CAUTIONS, AND MATERIAL SAFETY DATA SHEETS CONTENTS BEFORE USING.
To avoid waste and obtain desirable properties, certain procedures must be followed. Temperature of adhesive, substrate and the ambient temperature will affect working time and cure. Higher temperatures reduce working time, viscosity and cure. Lower temperatures increase viscosity and lengthen the working time and cure. Store adhesive out of direct sunlight and at temperatures as close to 77°F (25°C) as possible and for at least 2 hours before use.

Lay out work before before mixing. Make sure equal containers of Component 1 (5 gal. pail) and Component 2 (12 oz. can) have been received and are on the job site.

Mix Component 1 two to three minutes before adding Component 2. A 3/4" heavy duty drill and good mixing paddle or PC mixer is required. When work is ready, add Component 2 to Component 1 and mix for approximately 5 minutes. Move mixer around inside the pail. Incomplete mixing can lead to incomplete cure and residual odors.

Blocks of insulation should be checked for fit to the substrate surface before adhesive is mixed or work started. Blocks must be reshaped or cut smaller if they do not fit, especially on overhead work.

APPLICATION:
Adhesive may be applied to either or both surfaces. Application to the rougher surface (i.e., FOAMGLAS® insulation) generally gives the best results. A notched trowel having a D notch of 3/32" deep, 3/32" wide with a 1/8" flat surface between notches is standard (Red Devil 2001/A-7 or "A" notch from others).
Adhesive must be spread and blocks applied within the working time and before adhesive sets. Adhesive that has set can not be recovered. On curved or overhead surfaces, temporary support and/or the HOLD CATALYST system may be needed.

On low temperature equipment, all joints must be completely sealed with adhesive and all voids must be completely filled as possible. Joints should be sealed and any exuded adhesive wiped off before adhesive sets. Adhesive on the face of the block may cause coating adhesion problems. If insulation is to be coated, blocks should be rubbed down to provide a uniform surface.

Trowels should be cleaned frequently and examined for wear. Clogged or worn trowels can cause either too little or too much adhesive being used.

Adhesive that has set can not be recovered. Additional coats of adhesive must be applied within 8

hours to assure bonding to the previous coat. If adhesive has cured more than 8 hours, rub briskly with a commercial gloss remover or abrade before recoating.

CLEAN-UP AND DISPOSAL:
Mineral spirits or kerosene.
See Material Safety Data Sheets for proper disposal.

LIMITATIONS:
Do Not use as exterior coating exposed to sunlight or to be re-coated. Keep closed when not in use.
Do Not use where odor could affect food.

CAUTION:
This material is intended to be used only with FOAMGLAS® insulation and in conformity with Pittsburgh Corning's standard instructions. Be sure you have read and understood all instructions and Material Safety Data Sheets before using. Use only with adequate ventilation and with protection equipment given on the MSDS.

WARNING:
THIS PRODUCT CONTAINS A MATERIAL THAT HAS BEEN CLASSIFIED AS CARCINOGENIC TO HUMANS BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) AS GROUP 1. PRODUCT CAUSES SKIN IRRITATION. MIXED MATERIALS MAY HAVE HAZARDS OF BOTH COMPONENTS.

IRRITANT:
Component 1: Contains Hydro Treated Heavy Nathenic Distillate (CAS #64742-52-5). Avoid repeated contact with skin, wear gloves. Avoid breathing of vapors, use only with adequate ventilation. Respirators may be required in confined areas. Goggles should be worn if eye contact is possible.

Component 2: Contains polymeric isocyanates (MDI - CAS #101-68-8). Avoid contact with skin, eyes, and respiratory tract. Inhalation can cause damage to mucous membranes. Some individuals may be sensitized from prior exposure to isocyanates. Wear goggles and rubber gloves when handling.

HARMFUL OR FATAL IF SWALLOWED.

COMBUSTIBLE:
Keep away from open flame or ignition sources. Keep container closed when not in use. Do not weld or flame cut empty pails. Store in areas of combustibles.

FIRE HAZARD CLASSIFICATION:
(Component 1) Health: 1 Fire: 1 Reactivity: 0
(Component 2) Health: 3 Fire: 1 Reactivity: 1

KEEP OUT OF REACH OF CHILDREN