

A SILICATE BASED MATERIAL FOR BONDING CERAMIC FIBER BLANKET / MODULES, AND CORE GLUING / REPAIR

Pyrogrip is designed as a ready-to-use, air-drying adhesive to bond layers of ceramic fiber blanket or affix blankets to walls or other materials. It may also be used as an adhesive for other insulating refractory products, such as calcium silicate or vacuum formed boards.

At ambient temperatures it dries at medium speed. Pyrogrip sets in about 10–40 minutes, depending on ambient conditions. Warm conditions will speed the process, but the adhesive should not be applied to hot surfaces, or in hot ambient conditions above 176°F (80°C). Hot conditions may cause the material to gel rapidly and adversely affect the adhesive properties.

PRODUCT APPLICATION

Application of Pyrogrip is best performed using a brush or knife. Apply the adhesive to each joint face, then press the two face surfaces firmly together and allow to air dry. This basic method of air-drying provides a joint of adequate strength for a majority of uses.

Setting time can be made quicker by following normal application, pressing together the two faces as described above, then reopening the joint for a short time to allow the opposing faces of adhesive to become tacky. When tacky, press the face surfaces firmly together again.

Maximum bonding strength can be gained by heating the joint to 356–428°F (180–220°C) during the drying process. This heating process is not normally necessary for routine applications, but may be desirable for special higher strength applications.

SPECIFICATIONS

Description	Unit	Lower	Upper
Brookfield Viscosity	ps	300	600
Density	g/cm ³	1.52	1.56

PHYSICAL PROPERTIES

Color	Cream	
Specific Gravity	1.54	
Suggested Shelf Life	12 Months	
Available Packaging	Kilograms	Pounds
	1.5 squeeze bottle	3.3 squeeze bottle
	4	8.8
	15	33
	20	44

Note: The physical and chemical properties listed represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

APPLICATIONS

- Blanket adhesive
- General refractory adhesive
- Core gluing and assembly
- Broken core repair

STORAGE

Store at normal room temperature and do not freeze. If exposed to cold temperatures below 59°F (15°C), it will thicken appreciably. Warm the material to room temperature for 24 hours to restore working viscosity.

AVAILABILITY

Pyrogrip is currently available only in Australia.

Product Type: 147

Commodity Code: 07045