

CAT. NO. ADH-17-2412

GRIPCEM-818

PVC PIPE CEMENT

GRIPCEM-818, is a solvent based adhesive, specially formulated to provide a strong joint and seal, when joining PVC pipes and fittings.

USES

- Suitable for joining of PVC pipe connections – plumbing, electrical, sewerage, drainage installations.
- Suitable for commercial and domestic drainage applications.
- Suitable for potable water applications.
- Suitable for pressure and non-pressure applications.
- Complies with the requirements of ASTM D2564.

ADVANTAGES

- Highly suitable for joining pipes 200mm or less in diameter.
- High bond strength: Quick setting
- No mixing required – ready to use.

TYPICAL PROPERTIES

1. Appearance	-	Liquid
2. Colour	-	Clear/Grey
3. Odor	-	Characteristic Aromatic
4. Specific gravity	-	0.98 ± 0.02
5. Viscosity	-	Heavy bodied
6. Assembly time	-	5-7 minutes
7. Initial Setting Time	-	10-20 minutes
8. Final Set	-	24 Hours
9. Application temperature	-	+ 5° C to + 40° C

DIRECTION FOR USE

SURFACE PREPARATION

The surface must be clean, dry, and free of loose materials, dust, dirt and any other contaminants. Joints must be close fitting. Clean both inner and outer surfaces to be bonded.

APPLICATION AND INSTALLATION

Check the dry fit of the pipe and fitting and mark the pipe at a span equal to full depth. Before application, stir well **GRIPCEM-818** adhesive before use. The adhesive should flow slowly off a stick held at an angle, forming a trail. In an axial direction apply a uniform coat of adhesive – first to the inside of the fitting, then to the external surface of the pipe. Apply thinly in order to avoid the detrimental formation of beads inside the pipe, but apply generously to the pipe end. While the adhesive is still wet, immediately insert the pipe to the fitting and hold for at least 1 minute. Avoid moving the pipes for the initial 10 minutes after joining.

As the adhesive cures rapidly, the components must be completely joined within 3 minutes after application. The adhesive should be applied to pipe and socket simultaneously by two persons, if pipes greater than 140mm Diameter are to be bonded. Allow 24 hours before putting into service.

STORAGE

Store indoor at room temperature preferably 25 Celsius away from heat, ignition sources, open flames and direct sunlight.

SHELF LIFE

24 months from production date in sealed, original container when stored at + 25 degree Celsius.

PACKING

GRIPCEM-818 is available in 60ml, 125ml, 250ml, 473ml and 946ml pack.

HEALTH/ SAFETY

GRIPCEM-818 adhesive is flammable. Solvent vapors are heavier than air and may form explosive mixtures. Therefore, ensure sufficient airing and in case of contact with the eyes, rinse thoroughly with water and obtain medical advice. Immediately take off any clothing stained with adhesive. Provide ventilation during application and drying. No smoking and no welding in the working area and in the rooms adjacent to it. No open light or fire, avoid any sparking. Accumulated solvent vapors and explosive mixtures must be removed prior to welding. Fill the pipes with water, flush and purge them well. Prolonged inhalation of solvent vapors may be injurious to health. In order to minimize exposure to solvent vapors, keep used tissues paper in closed containers (e.g. buckets with lids). As precaution, protective gloves should be worn to avoid skin contact and maximum cleanliness should be observed. Refer to MSDS for more information.

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