



VITAL TECHNICAL SDN. BHD.

Technical Data Sheet

VT-302G (Grey) / VT-302T (Transparent) Heavy Duty Solvent Cement



Issuance date: 06/06/11

Revision date: 05/05/21

Revision No.: 21-01

VT-302G / VT-302T Heavy Duty Solvent Cement

PHYSICAL STATE

Grey / Transparent liquid

ODOUR

Characteristics

PACKAGING

- 4 oz./ can
(48 cans/carton)
- 8 oz./ can
(24 cans/carton)
- 16 oz./ can
(12 cans/carton)
- 32 oz./ can
(12 cans/carton)

SHELF LIFE

12 months

STORAGE

Highly flammable, keep away from heat source or naked flames. Store in dry and cool place, below 30 °C.

APPLICATION TEMPERATURE

-10 °C – 40 °C

SERVICE TEMPERATURE

-10 °C – 60 °C

DESCRIPTION



VT-302 Heavy Duty Solvent Cement is a premium quality, grey colour (VT-302G) or transparent colour (VT-302T), heavy duty adhesive formulated for PVC and uPVC fitting and pipes bonding applications. It is easy to use and offers superior bonding strength.

TECHNICAL DATA		VT-302G	VT-302T
Solid content		24 %	24 %
Viscosity at 25 °C (Brookfield LV 3, 20 rpm)		1,800 cPs	1,600 cPs
Density		0.88 – 0.94	0.88 – 0.94
Assembly time		5 minutes	5 minutes
Initial set time		30 minutes	30 minutes
Final set time – low pressure application		4 hours	4 hours
Final set time – high pressure application		24 hours	24 hours

*Note: Field working conditions may vary. In damp or humid weather allow longer set time

FEATURES

- For PVC and uPVC pipes
- Excellent adhesion
- For pipes between 200 mm to 400 mm diameter

APPLICATION

Ideal for bonding and coupling of rigid PVC and uPVC pipes of between 200mm to 400mm diameter. Upon full cure, it is safe for drinking water, irrigation, waste water, sanitary pipes and conduit etc.

APPLICATION DIRECTION

- Surfaces must be clean, dry and free of dirt, grease, oil or water.
- Roughen mating surfaces to the full depth of socket using medium glass paper or emery cloth.
- Apply the primer / pipe cleaner and follow directions.
- Apply the solvent cement to both surfaces to be bonded with a dry, clean brush to give a uniform coating, with heavier coat at the pipe end.
- It will dissolve and soften the surfaces of the pipes and fitting. Assemble while cement is wet.
- When the pipes and fitting are assemble together, the softened surfaces mix and on hardening produce a chemically welded joint.
- Hold firmly for 30 seconds to allow initial bonding, then remove surplus solvent cement and should not be disturbed for 30 minutes.

CAUTION

Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Wear eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists get medical advice/attention. Store in a well-ventilated place. Keep cool. Keep out of reach of children. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet.

LEGAL NOTES

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.