

UNECOL PVC CEMENT HEAVY CLEAR

DESCRIPTION

Clear and fast adhesive, especially suitable for joining rigid PVC pipes and fittings up to 12 "(315mm) in diameter for Schedule 80 (pressure installations) and 18" (457 mm) for Schedule 40 (non-pressure installations). Suitable for use in drinking water installations. Meets the requirements of ASTM D-2564 "Standard Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems". Certified by NSF for ASTM D-2564, NSF / ANSI 14, and NSF / ANSI Standard 61 for use on potable water, drain, waste, vent, and sewer applications. May be used without the use of cleaner / primer if local codes allow.

Low volatile organic compound (VOC / VOC) adhesive. VOC content below 425 g/l. In accordance with the requirements established by South Coast Air Quality Management District rule 1168 / 316A (SCAQMD 1168 / 316A) for both the current VOC content requirement and the requirement expected to be implemented in January 2023. It complies with the Low VOC requirements adopted by LEED® (Leadership in Energy Efficiency and Environmental Design) for use in the construction of environmentally sustainable buildings.

TYPE

Based on a Polyvinyl Chloride (PVC) resin and solvent system designed to comply with SCAQMD 1168 / 316A both for current requirements and for those expected to be implemented in January 2023. It complies with the performance requested by the ASTM D2564 standard.

APPLICATIONS

Adhesive especially suitable for:

- Rigid PVC pipe and fitting joints up to 12 "(315 mm) in diameter for Schedule 80 (pressure installations) and 18" (457 mm) for Schedule 40 (non-pressure installations).
- Supply of potable water supply, irrigation, industrial pipe applications, sewers, drainage, waste and ventilation systems.

TECHNICAL CHARACTERISTICS

Properties of packaged cement:

Viscosity (Brookfield RVT, 10 rpm, Sp.4) a 23°C	Between 3000 and 7000 cps
Appearance	Clear liquid
Solid Content	Approx. 18%
Resin Content	Approx. 10%
Density	Approx. 0.915 g/ml
Shear strength (2 hours drying ASTM std.)	> 1,7 MPa (250 psi)
Shear strength (16 hours drying ASTM std.)	> 3,4 MPa (500 psi)
Shear strength (72 hours drying ASTM std.)	> 6,2 MPa (900 psi)
Resistance to hydrostatic pressure (2 hours curing)	> 2,8 MPa

INSTRUCTIONS FOR USE

First, prepare the pipes, cutting them at a right angle. Clean and degrease the pipe and socket with a paper towel soaked in PVC CLEANER. Stir adhesive before use. Using a proper applicator, apply a full, even layer of UNECOL PVC CEMENT HEAVY CLEAR to the pipe and fitting socket. Immediately insert the two parts whilst simultaneously twisting ¼ turn (90 degrees) until reaching the socket bottom. Hold the pipe and fitting together for a minimum of 30 seconds until the UNECOL PVC CEMENT HEAVY CLEAR develops the initial welding. Remove excess solvent cement with a paper towel soaked with PVC CLEANER. Do not handle the welded parts for the next 15 minutes.

The pipeline can be tested under pressure (12 bar) after drying for 2 hours at a temperature above 15 °C. The curing time should be increased at temperatures below 15 °C or if the diameter of the pipe is greater than 3". It is recommended to wait 24 hours before pressurizing the pipeline. The welded pipes should be lowered into the trench after 10 to 12 hours.

Installation at low temperature (below 5 °C) requires special attention. The pipe ends and sockets to be welded must be warmed to 25-30 °C by means of a suitable hot-air blower (explosion proof). The finished joint must be kept between 20 and 30 °C for 10 minutes to ensure a proper curing.

STORAGE

Stored in its original container and in a cool, dry place, this product maintains its properties according to the following chart.

CONTAINER	PREFERENTIAL PERIOD USE
Can metal	3 years

Appropriate precautions must be taken due to it being a very flammable product; it must be stored far from flames, sparks, heat sources, and in non-smoking areas

It is not suitable to keep UNECOL PVC CEMENT HEAVY GRAY stored below 5°C because an increasing of the viscosity is produced, affecting to adhesive applicability. In these cases, is necessary to condition the adhesive at room temperature and stir it to reduce viscosity again.

PRESENTATION

Visit our web site www.unecol.com

CLEANING

Fresh product can be removed with a cloth soaked in PVC CLEANER. UNECOL PVC CEMENT HEAVY CLEAR solvent cement attacks rigid PVC therefore, all accidental contact with parts to be assembled should be avoided

SAFETY PRECAUTIONS

Consult the product's safety sheets for more information.

The above mentioned data are based on our better experience and knowledge, but should be understood as specifications. The end user is responsible for verifying the suitability of the information provided, according to the specific use of the product.