

Ambient cure CPVC solvent cement

Description

Lapox® Ultrabond CPVC is a yellow, low VOC emission, medium bodied, fast setting, high strength cement for CPVC copper tube size pipe and fittings with interference fit through 2 inch (63 mm) diameter. It is formulated for the use without primer, if local codes permit.

Applications

It can be used on cold and hot water CPVC piping systems with maximum temperature up to 180°F (82°C), in residential / commercial plumbing, recreational vehicles, mobile homes and in Industrial systems. It is safe for uses in potable water pipe fittings. It is applicable for use with copper tube sizes and pipe schedules. It can be used in potable, drain, waste, vent and sewer applications. One-step solvent cement applicable for IAPMO listed CPVC pipe, tubing and fittings from ½ inch (20mm) through 2 inch (63 mm).

Advantages

Acts as a cleaner by dissolving greases / dirt and helps to make the bonding surfaces ideal for solvent cementing.
 Helps to make a clean, professional looking joint in CPVC systems.
 Manufactured from high quality base materials.
 Fast drying and excellent bond strength.
 Ideal viscosity which can be easily applied with minimal dripping.

Typical specifications

Test	Unit	Reference	Value
Appearance	-	Visual	Yellow liquid
¹ Viscosity at 25°C	cps	ASTM D2196	Min. 500
Specific Gravity at 25°C	-	-	0.946 – 1.026
Initial Bonding Time	Minutes	-	2

¹Viscosity by Brookfield viscometer

Processing

Surface preparation: Remove heavy dirt deposited on surfaces to be bonded (pipe end outside, socket inside). Removal of lubricant and partial dissolution of the surfaces should be done using Tangit Cleaner and tissue paper. Measure the fitting insertion depth (area dimension that is to be bonded) and mark it on the pipe end so that the application of the required amount of solvent cement and the complete insertion of the pipe can be checked. Spray Tangit Cleaner onto pieces of white soft paper, e.g. tissue paper, and thoroughly clean the dry marked surfaces. Use a new piece of tissue paper for each cleaning operation. The cleaned surfaces must be dry before applying the solvent cement. Any moisture (including ice) must be removed by careful heating / warming process.

Application: Apply solvent cement evenly and quickly around the outside of the pipe at a width a little greater than the depth of the fitting socket. Apply a light coat of cement evenly around the inside of the fitting socket. Avoid puddling. Apply a second coat of cement to the pipe end. If the customer required, we can provide user guide to Solvent Cementing CPVC Plastic Pipe and Fittings.

Curing: Wipe off any excess cement and leave the joint undisturbed for at least half an hour (one to two hours in cold weather). Cement solvent weld should reach full joint strength and be suitable for use within 24 hours, depending upon temperature and humidity.

Packaging

Lapox® Ultrabond CPVC is available in 20 ml, 50 ml & 118 ml pack.

Storage and handling

Lapox Ultrabond CPVC, when stored in their original containers and not exposed to undue heat or humidity as in outdoor open shades, will have a minimum shelf life of 1 year. As far as possible, direct contact of Ultrabond CPVC with the skin and eye should be avoided as they might cause irritant on sensitive skins. It is advisable to wash off immediately in case of skin contact. Special barrier creams and cleansing creams are available commercially as additional safe guards. It is

highly flammable, use only in well-ventilated area away from source of ignition (heat, sparks or flames).

Stability of the product is limited by the evaporation of the solvent when the container is opened. Evaporation of solvent will cause the cement to thicken and reduce its effectiveness. Adding of thinners to change viscosity is not recommended and may significantly change the properties of the cement.

Safety

Wear personal protective equipment (PPE). Avoid contact with the eyes and skin. In case of direct contact and irritation, it should be washed off immediately with soap and warm water. Avoid breathing vapors, mist or gas. Use under well ventilated conditions. Please refer to the Safety Data Sheet (SDS) for detailed safety instructions. Ultrabond solvent cements must never be used in a CPVC system using or being tested by compressed air or gases; including air-over-water booster.

Spills and disposal

In case of spills, sweep up and shovel the spilled material. Keep spilled material in suitable, closed containers for disposal. Soak up with an absorbent such as clay, sand or other suitable material. Flush area with water to remove trace residue. Do not allow the product to reach the sewage system. Waste must be disposed of in accordance with federal, state or local regulations, as applicable.

Contact

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Note

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