

PRODUCT DESCRIPTION

SAAF CPVC Pipe Seal is an orange colour, heavy bodied, medium setting, high strength CPVC based cement dissolves in solvents solution formulated for all CPVC pipes applications such as potable water, drain, waste, vent & sewers.

FEATURES AND BENEFITS

- NSF Certified (ANSI Standard 14, 372)
- Easily applied by brush
- Has good gap filling properties
- Specially developed for all types of CPVC pipes
- Suitable for drinking water pipes
- Excellent resistance to chemicals
- Needs no waiting time
- Excellent bonding & adhesion strength
- Excellent resistance to heat, water, humidity & detergents
- 15 minutes initial bonding range
- Allows more working time due to its medium set

APPLICATION TOOLS

Dauber brush or any suitable applicator.

STANDARDS COMPLIANCE

ASTM F 493
NSF Certified (ANSI Standard 14, 372)

RECOMMENDED USES

- It is applicable for use with CPVC pipes and fittings extensively in hot/cold water plumbing & industrial piping systems
- It is used for CPVC pipe and fittings sized 1/2 " and grater for hot & cold water

STORAGE

- Should be stored tightly closed and away from direct sunlight in a cool, dry, well-ventilated area between 5°C to 39°C
- Protect from freezing
- Close container tightly when not in use
- Store away from ignition sources

SURFACE PREPARATION

All surfaces must be clean, dry and free from dust, dirt, paint, loose materials, oil, grease, sealers, curing compounds, waxes and all other contaminations.

PACKAGING

¼ Pint (118ml), ½ Pint (237ml), 1 Pint (473ml) & Quart (946ml) Cans.

TECHNICAL DATA

| | | | |
|--|--|-----------------------------------|-------------------------|
| BASE MATERIAL | CPVC Resin | OPEN TIME | Zero Minutes |
| COLOR | Orange | SETTING TIME | 5 Seconds |
| VISCOSITY AT 25°C ASTM D2196 | 2000 – 2200 CPS (Sp. # 63 @ 30 rpm) | HOLDING TIME | 20 - 30 Sec. |
| SPECIFIC GRAVITY ASTM D1475 | 0.9 – 1.0 | FLASH POINT ASTM D3278 | -20°C. |
| SOLID CONTENTS ASTM D1644 | 20 - 28% | VOC ASTM D2369 | 490 g/l |
| HYDROSTATIC BURST TEST ASTM F 493 | Average burst pressure: 28 Bar @ 73°F for 2 hour | SERVICE TEMP | -5°C to 82°C |
| TEMPERATURE RESISTANCE | Up to 180°F | FLAMMABILITY | Inflammable in wet form |
| WAITING TIME | Zero Minutes | DILUTION | Do not dilute |

APPLICATION METHOD

- Cut the pipe square with hand saw or pipe cutter and remove burrs inside and outside.
- Clean & dry the joining surfaces & check dry fit for interference fit, the pipe should push $\frac{1}{4}$ to $\frac{3}{4}$ way into fitting snugly.
- Apply the SAAF CPVC & PVC Cleaner to clean the pipe and fitting.
- Shake well before using (if gelled, do not use) and stir frequently while using.
- Apply with dauber brush supplied with can or suitable applicator at least $\frac{1}{2}$ size of the pipe fitting, for larger size use brush or roller. Apply generously a full even layer of CPVC Pipe Seal on the surfaces of both parts of the CPVC pipes and fittings.
- Applied coat should be equal to the depth of socket. Coat the fitting socket with a medium layer and avoid puddling. Do not coat beyond the pipe bell end socket
- Apply a second even layer on the pipe sufficient to fill all the gaps in the joint.
- Assemble the pipe quickly while the CPVC Pipe Seal is still wet, if not recoat then quickly insert the pipe into the fitting socket with slight twisting at $\frac{1}{8}$ to $\frac{1}{4}$ turn as you insert.
- Hold together by pressing the pipe till the marked depth of the socket for about 20 - 30 seconds to make sure that the pipe is not pushed out. Wipe excess CPVC Pipe Seal from joint with rag.
- Mechanical handling should be avoided for the first 15 minutes as a set time and avoid full line pressure till 24 hours.
- Curing time is affected by the pipe diameter, pressure & temperature. At a temperature from 16°C to 44°C, allow 24 hours cure for cold water system & 48 hours cure for hot water.
- At a temperature from 5°C to 16°C, allow 48 hours cure for cold water system & 96 hours cure for hot water. Longer curing periods are necessary when the system is used for chemicals.

LIMITATIONS

Do not dilute the product with any type of solvents

CLEANING & DISPOSAL

- Excess adhesive may be removed immediately after the application
- The Tools & the excess material should be cleaned immediately by SAAF CPVC & PVC Cleaner or any common solvents like xylene, white spirit, etc. before it gets dry
- Dispose the waste according to the local regulations

SHelf LIFE

24 months shelf life when stored in it's original unopened container between 5°C to 39°C.

HEALTH & SAFETY

The product is inflammable, Keep it away from heat, sparks, open flame & other ignition sources, Vapors may ignite explosively. Use only in well ventilated areas.

The product should not be swallowed or allowed to come into contact with skin and eyes. Use of suitable protective gloves and goggles is advisable.

If eyes are affected with the adhesive rinse with excess amount of clean fresh water and seek for medical advice .If swallowed seek medical attention immediately and do not induce vomiting help.

HMIS Rating

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|--------------|---|
| HEALTH | 2 |
| FLAMMABILITY | 3 |
| REACTIVITY | 0 |

0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe; N = No information provided

CERTIFICATION

NSF Certified (ANSI Standard 14, 372)

ADDITIONAL INFORMATION

SAAF IS ALSO MANUFACTURES THE FOLLOWING RANGE OF PRODUCTS

- Contact Adhesives
- Water Based Adhesives
- Flooring Adhesives
- Putties & Sealants
- Coatings
- Concrete Admixtures

For further information, kindly visit our website www.tigind.com

CPVCPPIPESSOLVENTCEMENT®
CPVC PIPE SEAL (91 - 1761)



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The information provided here is based on our test results and to the best of our current knowledge. The recommendations and suggestions here in are made to facilitate the application of the product without any guarantee or representation to results. We recommend you to ensure that the product meets all your requirements prior to the application.

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