



Adesil PVC

TECHNICAL ADHESIVE, GUARANTEED FOR WELDING TIGHTNESS OF PVC PIPES AND FITTINGS.



TECHNICAL DATA SHEET - REV. 01/2022

DESCRIPTION

ADESIL PVC is a mastic sealant, based on PVC resins dissolved in organic solvents, for bonding rigid PVC pipes and fittings not under pressure. The adhesive hardens by evaporation of the solvent it contains, turning into a highly durable glue. Once solidified, the adhesive is resistant to the action of oils, fats and acids.

FIELDS OF APPLICATION

ADESIL PVC is suitable for bonding rigid PVC pipe joints and connections (including orange); for bonding rigid PVC drain pipes (not under pressure) including large diameters and where hot water passes; for bonding rigid PVC gutters and downpipes or rigid PVC cable ducts.

SUBSTRATE PREPARATION

Remove all traces of dirt and remove grease and dust residues from the surfaces to be joined (outside pipe and inside sleeve) using specific detergents. Any traces of ice must be removed by heating. Cut the pipes, chamfer the edges and remove burrs; mark on the pipe the insertion depth of the sleeve inside it.

APPLICATION

Before starting to apply the adhesive, check that the surfaces are perfectly dry. ADESIL PVC is ready for use. Spread a layer of adhesive evenly first on the inside of the sleeve and then on the pipe. To avoid damaging deposits in the pipe, it is important that the adhesive in the sleeve is applied in a thin layer, while on the outside of the pipe, it is recommended to abound with adhesive. Immediately join the parts by compressing them and giving them a slight rotation or sliding. Remove excess adhesive with crepe paper.

For all other applications, please observe the instructions of the pipe manufacturers, as well as the category indications.

RECOMMENDATIONS

- ◆ Before installation, the pipes must be carefully washed inside to remove any solvent residues.
- ◆ Carefully close packaging that is not being used to prevent the solvent from evaporating and the product from thickening.
- ◆ Remove the adhesive from the brush with dry crepe paper; clean brushes must be dried before subsequent use.

PACKAGING

ADESIL PVC is supplied in packs of 125 g in boxes of 100 pieces. Store the product in its perfectly sealed original containers, avoiding exposure to direct sunlight and high temperatures and avoiding the build-up of electrostatic charges. In these conditions its stability is of at least 15 months from the production batch. The product must not be stored below +5 °C as this would cause an increase in viscosity and hardening of the structure.

SAFETY INSTRUCTIONS

ADESIL PVC is flammable. Solvent vapours are heavier than air and can accumulate at ground level and form flammable mixtures: ensure good ventilation during use and drying. Do not smoke or weld in the work area and adjacent spaces. Avoid any potential sparks. Prolonged inhalation of solvent vapours may cause narcotic effects. Wear gloves to avoid

skin contact and ensure maximum cleanliness of hands. In case of contact with the eyes, rinse thoroughly with water with open eyelids and consult a doctor. Refer to the respective Safety Data Sheet for more information about how to use the product safely.

SPECIFICATIONS

Bonding of non-pressure rigid PVC pipes and fittings using sealing mastic, based on PVC resins dissolved in organic solvents, such as **ADESIL PVC** by Colmef Srl.

TECHNICAL DATA

Appearance:	semi-liquid
Colour:	Red
Odour:	acid and pungent
Flash point:	+5 °C
Viscosity (sqmm/s):	135-200
Water solubility:	insoluble
Open time:	1 - 3 min. (product open time depends on ambient temperature, humidity and film thickness)
Minimum waiting time for the glued tube to be used	24 h
Recommended waiting time for maximum bonding performance:	48 h
Operating temperature:	Withstands the same thermal stresses as rigid PVC
Allowed application temperature:	from +5 °C to +40 °C

DATA DETECTION AT +23°C - 50% R.H. AND IN ABSENCE OF VENTILATION

The information in this bulletin is based on our best experience. We cannot be held liable for any product misuse. We therefore recommend anyone who intends to use this product to assess whether it is suitable for the intended application and to perform preliminary tests in any case. Always refer to the latest updated version of the technical data sheet available at www.colmef.com.

FOR MORE INFORMATION OR PARTICULAR USES, CONTACT THE COLMEF TECHNICAL SUPPORT DEPARTMENT.

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