

PRODUCT DESCRIPTION

SAAF Polyurethane adhesive is a nontoxic, one component Polyurethane adhesive and It has an advantage of high rate of crystallization & powerful adhesion strength.

FEATURES AND BENEFITS

- Applied easily by Roll or brush
- Specially developed for hot climate
- Can be used on porous & non-porous substrates
- Has a long open time and good wet tack
- Fast drying
- Excellent bonding & adhesion strength
- Excellent resistance to heat, water, humidity & detergents
- 60 minutes bonding range

APPLICATION TOOLS

Brush, Roller or any suitable applicator.

STANDARDS COMPLIANCE

DIN 16864

RECOMMENDED USES

- It is used for bonding footwear soles, including soles that are injection molded onto uppers.
- Bonding of plasticized polyvinyl chloride to itself or to other materials.
- Coating of pipes & metals to protect it from corrosion and rust.

STORAGE

- Should be stored tightly closed and away from direct sunlight in a cool, 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

4 Lit. Gallon, 20Lit. Pail & 200Lit. Drum.

TECHNICAL DATA

BASE MATERIAL	Polyurethane Resin	OPEN TIME	5 - 10 Minutes
COLOR	Transparent	SETTING TIME	30 Minutes
VISCOSITY AT 25°C ASTM D2196	860 – 1860 CPS (Sp. # 4 @ 20 rpm)	PRESSING TIME	Approx.5 - 10 Min.
SPECIFIC GRAVITY GM/CM3 ASTM D1475	0.84 - 0.86	FLASH POINT ASTM D3278	-17°C.
SOLID CONTENTS ASTM D1644	11 - 16%	VOC ASTM D2369	332 g/l
COVERAGE (APPROX.)	4 – 6 m ² /Kg	SERVICE TEMP	-5°C to 80°C
ADHESION STRENGTH AFTER AGING % CHANGE	Stable with no Change	STORAGE STA- BILITY	Stable (No change at 55°C)
RESISTANCE OF THE DRY ADHESIVE	Can Resist to: Heat up to 90°C, Moistures, Detergents, Non- Aromatic fuels & Oils.	FLAMMABILITY	Inflammable while it is wet
DRYING TIME	60 Minutes (Depends on absorption & Temp.)	DILUTION	Do not dilute

APPLICATION METHOD

1. Stir thoroughly before using.
2. Porous surfaces may require 2 coats of adhesive.
3. Wait for 5 to 10 minutes until the solvent evaporates.
4. Position surfaces carefully before assembly.
5. No adjustment is possible after contact.
6. Heat of reactivation (90-110° C) should be applied to the materials to be bonded.
7. Press the bonded materials for about 10 minutes to get the ultimate adhesion power.
8. Bonded assemblies can be machined, trimmed or finished immediately after bonding.

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

12 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

HEALTH	2
FLAMMABILITY	3
REACTIVITY	0

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

ADDITIONAL INFORMATION

SAAF IS ALSO MANUFACTURES THE FOLLOWING RANGE OF PRODUCTS

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

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