



TECHNICAL DATASHEET

PU 622

LOW VOC POLYURETHANE ADHESIVE

DESCRIPTION:

NeoSeal® PU-622 is solvent based polyurethane adhesive which can be use with or without hardener. For better strength use with NeoSeal® PU HRD in provided ratio. The product is specially designed for the various application of the footwear industry where strong durable good strength is required. This adhesive system strongly joins various substrates like PU, PVC, EVA, Phylon, TPR and leather to itself and each other.

AREA OF APPLICATION:

Footwear industries for chappals, sandals, shoes, safety shoes etc.

ADVANTAGE:

- Clear free flowing adhesive
- Water-resistant long lasting durable bonds strength
- Low viscosity for easy application
- Good coverage
- Mild smell
- Benzene free (No harmful chemicals)

SPECIFICATIONS:

COLOR:	Clear OR Transparent
RESIN:	Polyurethane
SPECIFIC GRAVITY:	0.84 ± 0.02
BROOKFIELD VISCOSITY:	Min. 1800 cP @ 27°C ± 1°C
DRYING TIME:	10 TO 15 MIN.
CURING TIME:	24 Hrs.
COVERAGE:	30 – 35 pairs per liters depending on the shoes size
MIXING RATIO WITH HARDENER:	5%
FLASH POINT:	-20°C

APPLICATION:

1. SURFACE PREPARATION:

Clean the soles with appropriate soles cleaner to remove oil, grease, dust and dirt etc. and let it dry for 5 to 10 minutes. Apply relevant primers to substrate, depending upon type of substrates like EVA, TPR and PU. Allow to dry for at least 20 to 30 minutes at ambient temperature. Thoroughly roughen and clean the upper component by using suitable tools.

2. APPLICATION PROCESS WITHOUT HARDENER:

Apply adhesive uniformly on the joining area of both components using brush or suitable tools. Allow adhesive to dry for 20 to 30 minutes at ambient temperature. In case of porous (absorbing) substrate, apply second coat of adhesive and let it dry for 20 to 25 minutes at ambient temperature. After that heat the substrates at 70°C to 75°C for 3 to 5 minutes using oven or appropriate equipment.

NeoSeal Adhesive Pvt. Ltd.

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Bond both the components immediately in hot condition and apply uniform pressure using appropriate device. Allow components to cool at room temperature under full pressure before releasing from the device. To achieve faster production components can be cool down using chilling unit under pressure. After cooling, remove the excess adhesive from the components carefully using crepe rubber roll. To achieve optimum strength, allow components to cure for 24 hours at ambient conditions.

3. APPLICATION PROCESS WITH HARDENER:

Take 100 gm. NeoSeal® PU 622 adhesive in a clean container and add about 5 gm. (5 part) NeoSeal® PU HRD by weight in the container and mix it thoroughly to get homogeneous mixture. The prepared mixer should be used for application within 4 hours at ambient condition. For the rest of process follow the instruction of step 2.

PACKING SIZE:

This product is available in 500ml, 1 Ltr., 5 Ltr. and 30 Ltr.

SHELF LIFE AND STORAGE:

12 months from the date of manufacturing in unopened sealed pack condition, if stored in its original container between 18°C and 30°C. Store in a cool and dry place, away from direct sunlight.

QUALITY ASSURANCE:

NeoSeal®PU-622 is carefully evaluated to assure that consistent high quality is maintained. Gas chromatography, and additional in-depth testing ensures each batch is manufactured according to standards. A batch identification code is stamped on each can and assures traceability of all materials used in the manufacturing.

HEALTH & SAFETY PRECASUTIONS:

- Wear personal protective equipment (PPE). Avoid contact with skin and eyes.
- Skin Contact: Wash skin with soap & water. Remove contaminated clothes.
- Eye contact: Immediately splash eyes with plenty of water. Consult Physician, if irritation persists.
- Ingestion: Do not induce vomiting. Call a physician.

SPILLS & DISPOSAL:

In case of spillage, 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. Wash area with water to remove trace residue. Do not allow the product to reach to the sewage system. Waste must be disposed of in accordance with local or state regulations as applicable.

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