

Technical Data Sheet

# ARO-SEAL® 1155

## MS POLYMER ADHESIVE



**ARO-SEAL® 1155 IS A FAST CURING, ONE COMPONENT, SOLVENT AND WATER FREE, ELASTIC CONSTRUCTION ADHESIVE BASED ON MS POLYMER.**

**ARO-SEAL® 1155 CAN BE USED FOR BONDING AND SEALING A WIDE RANGE OF SUBSTRATES IN BOTH STRUCTURAL AND NON-STRUCTURAL APPLICATIONS.**

Aro-Seal® 1155 gives excellent adhesion when bonding many substrates such as concrete, brick, wood, natural or artificial stone, ceramics, glass, metals, and most plastics. It gives good adhesive on damp surfaces and has good resistance to UV.

### BENEFITS

- High bond strength on nearly all surfaces
- Fast curing
- Interior and exterior use
- Can be applied to damp surfaces
- Acid, isocyanate and solvent free
- Resistant to Chemicals & Petrol (10% dilute acids/alkalis, most solvents)
- Overpaintable with all water based paints
- Resistance to most chemicals

### AVAILABLE COLOURS

Black      White

### TECHNICAL DATA

Brookfield viscosity:	Paste
Solids content:	98%
Specific gravity:	1.50
Skin formation:	8 minutes (20°C and 65% RH)
Drying time:	2mm per 60 mins (20°C and 50% RH)
Hardness:	65 Shore A
Temperature resistance:	-40°C to +90°C
Elongation at break (ISO8339):	>250%
Tensile strength at break (DIN 53504):	4N/mm <sup>2</sup>
Modulus at 100% (DIN 53504):	2.3N/mm <sup>2</sup>

### AVAILABLE SIZES

Cartridge	290ml
Drum	280kg

## PREPARATION AND APPLICATION

Ensure that the surfaces to be bonded are smooth, clean and free from dust or other deposits. Recommended application temperature is within the range of 1°C to 30°C

Insert the cartridge into a suitable applicator, e.g. a skeleton gun, or pneumatic applicator. Slit the cap and screw on the nozzle. If required, slit the nozzle to increase the size of the orifice. Dispense the bead of adhesive on one side of the substrates to be bonded. Bring substrates together and apply pressure to ensure full contact.

For porous surfaces Aro-Seal® 1139 Primer may be used to improve the cure, where preliminary adhesion tests indicate that it would be advisable. Likewise, where necessary, Aro-Seal® Surface Activator may be used on non-porous surfaces.

## HANDLING AND STORAGE

Aro-Seal® 1155 should be stored in the original cartridges in a cool, dry place, at a temperature range of between 5°C and 25°C. In these conditions it has a storage life of at least 12 months.

## LIMITATIONS

Aro-Sea® 1155 has good chemical resistance against water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis, but poor chemical resistance against aromatic solvents, concentrated acids and chlorinated hydrogens.

**DISCLAIMER:** Due to the variation in materials likely to be handled by prospective users of this product, together with differences in production techniques and ultimate performance required, it is important that this product is thoroughly evaluated under production and end use conditions before being commercially adopted. Such an evaluation should incorporate an ageing test and this test should be repeated if the substrates on which the this product is used are changed in any way or are purchased from a different source. During the evaluation and testing of the product, it is the purchasers/end user's responsibility to carry out appropriate actions for the protection of the environment, the health and safety of its employees and purchasers of its products. No employee of Ureka Global Ltd has any authority to waive or change the forgoing provisions. The above recommendations are made in good faith for the guidance of users and are without liability. Any queries should be made in writing to the head office of Ureka Global Ltd.

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