

Technical Data Sheet

ARO-SEAL® 1156

POLYURETHANE SEALANT

ARO-SEAL® 1156 IS A ONE COMPONENT, HIGH MODULUS, POLYURETHANE SEALANT.

ARO-SEAL® 1156 CAN BE USED FOR BONDING AND SEALING A WIDE RANGE OF SUBSTRATES IN BOTH STRUCTURAL AND NON-STRUCTURAL APPLICATIONS.



Aro-Seal® 1156 is suitable for use in sealing and bonding applications in the construction industries, flooring applications and structural bonding in vibrating constructions. Aro-Seal® 1156 complies to ISO 11600 Type F Class 25 Sub-class HM.

BENEFITS

- High bond strength on nearly all surfaces
- Excellent chemical resistance
- Stays elastic after curing
- Good colour stability

TECHNICAL DATA

Brookfield viscosity: Thixotropic paste

Solids content: 100%

Specific gravity: 1.32

Skin formation: Approx 50 minutes
(23°C and 65% RH)

Curing rate: 2 - 3mm per 24 hours
(23°C and 65% RH)

Hardness: 35 +/- 5 Shore A

Temperature resistance: -40°C to +90°C

Elongation at break (ISO 8339): >500%

Modulus at 100% (ISO 8339): 0.7 mPa

AVAILABLE SIZES

Cartridge 310ml

Sachet 600ml

AVAILABLE COLOURS

Black

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 5°C to 30°C

Insert the cartridge or sachet into a suitable applicator, e.g. a skeleton gun, or pneumatic applicator. Slit the cap, or the end of the sachet, 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 a suitable 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.

Clean tools with acetone or alcohol immediately after use. Cured material can only be removed mechanically.

of the paint itself. It should be understood that the hardness and film thickness of the paint may impair the elasticity of the sealant and lead to cracking of the paint film.

Avoid exposure to high levels of chlorine (avoid sealing joints in chlorinated swimming pools). Avoid contact with alcohol and other solvent cleaners during cure. When applying sealant, avoid air entrapment. Since system is moisture-cured, permit sufficient exposure to air. Bonded elements may require additional holding or support during curing period.

Do not use Aro-Seal® 1156 on bituminous substrates, natural rubber, EPDM rubber or on building materials which might bleed oils, plasticizers or solvents which could attack the sealant.

HANDLING AND STORAGE

Aro-Seal® 1156 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 in cartridges.

LIMITATIONS

Tooling and finishing must be carried out within the tack-free time of the sealant. Aro-Seal® 1156 can be over-painted. The paint must be tested for compatibility by carrying out preliminary trials. Attention must be observed with the use of alkyd-resin since they may interfere with the curing process of the sealant and reduce the drying time

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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