Technical Datasheet
Alphaseal 132

January 2009

Description

Alphaseal 132 is a one - part polyurethane based elastomeric sealant / adhesive. It is a fast curing polymeric compound suitable for use on a wide range of substrates including metals, glass, wood, GRP, anodised aluminum, polyester and concrete panels. Alphaseal 132 is a general purpose adhesive / sealant with excellent application properties and weathering resistance.

Applications

Alphaseal 132 can be applied by a pneumatic or hand gun under a uniform pressure to extrude a continuous smooth bead. All surfaces must be clean, dry and free from grease, oil and all contamination. Edges of joints can be protected with a tape. After application the sealant can be finished by using a wet spatula. The tape should be removed as soon as possible before the skin formation. For bonding applications apply Alphaseal 132 and press the substrates firmly together while the adhesive is curing to develop the strength. Vertical bonds for heavy materials should be held in place whilst bond strength develops with curing - use clamps where appropriate.

Alphaseal 132 is designed for joint sealing, gap filling and bonding applications e.g.

- Boat / ship building (decks, floors, panels etc.)
- Automotive industry (car body assembly, buses, containers etc.)
- Construction and building joints including floor joints
- Bonding applications in metal constructions and for mounting vibrating parts.

Properties

- Fast curing and permanently elastic seal / bond.
- Excellent weathering resistance.
- Paintable when fully cured.
- Good primer-less adhesion to most common materials.
- Excellent application properties.
- Good slump resistance with excellent finish.

METHOD OF APPLICATION

1. The glass must be clean, dry, and free of dust & grease. The glass must be cleaned with Alpha T 163 Degreaser & then primed after 10-15 minutes using Alpha Primer 2
2. When the primer is completely dry usually 10 -15 minutes, apply Alphaseal 128 with a pneumatic or a hand gun & press on to the second substrate before the end of the tack free time (varies with temperature)
3. Do not apply below 5°C & before use ensure cartridges are stored at 20 °C to aid application.

Physical and Chemical Properties

Consistency	Thixotropic Paste
Colour	White, Grey and Black
Specific Gravity	1.17
Shore A Hardness	>50
Skinning Time	10 Minutes @ 23°C 65% RH
Elongation	400%
Modulus @ Break	0.6 MPa – ISO 8339
Shear Resistance	>3.5 MPa
Gap Fill	2-10 mm
Application Temperature	5°C -35°C
Service Temperature	-30°C to 90°C
Water Resistance	Excellent
UV Resistance	Good
Weather Resistance	Good
Cure Time	>4mm/24 hours

Presentation

310 ml aluminum cartridge

Handling and Storage

Storage Precautions

Holdtite Alphaseal 132 should be stored in a dry cool well ventilated area, out of direct sunlight. Stored correctly, this product has a 12 month shelf life from manufacture if kept in its original containers.

Usage Precautions

Keep away from heat, sparks and open flame

Health & Safety

Alphaseal 132 is moisture curing polyurethane-based compound. It cures to a rubber like material on exposure to atmospheric moisture. In the case of eye or skin contact wash with copious amount of water and seek medical advice if irritation persists. Any spillage should be scraped away and washed with water containing industrial detergent. Consult Material Safety Data Sheet for further details