



ALL CLEAR

DESCRIPTION

Selleys All Clear is a neutral cure high performance universal co-polymer sealant. It cures to a clear flexible rubber with excellent adhesion to most building materials.

SIZES AVAILABLE

All Clear is available in 260g clear walled cartridge.

USES

Selleys All Clear is a universal sealant. It can be used on metals, most plastics, painted and masonry substrates. It can be used on many wet substrates. It can be used on metals even if they have an oily surface film typical on new metals e. g. Zinalume®, galvanised iron.

Some applications would include sealing and repairing roofs, awnings, skylights, ceramic tiles, gutters and downpipes, around window frames, plumbing entrances, vinyl or aluminium siding and roof flashings, sealing leaks in caravans and recreation vehicles, and waterproof bedding for glass when reglazing windows.

TECHNICAL FEATURES

- { High performance co-polymer rubber based. { Glass-like clarity.
- { Universal sealant - adheres to most substrates and many wet surfaces.
- { Neutral cure - will not attack metal or concrete type substrates.
- { Offers good weatherability and resistance to UV light.
- { Good working characteristics.
- { Good paintability - can be overpainted immediately with water based paints. Oil based paints require undercoating with water based paints first.
- { Good slump resistance.
- { Ease of clean-up off hands with mineral turps.

LIMITATIONS

Cannot be used on polystyrene foam.

Should not be used in an enclosed space or without ventilation.

May not adhere to some wet absorbent surfaces or to some old wet metals.

In very cold weather cartridge must be conditioned to room temperature before use.

Not recommended for permanent water immersion or water containment structures.

Must be first painted with water based paint prior to painting with oil based paints.

All Clear cures relatively slowly (0.1mm per day). All Clear will not adhere through frost or ice.

TECHNICAL DETAILS (Note*)

- Appearance: Water clear soft gel.
- Viscosity: 15400-19400P TE/2 @ 25°C
HAF/HELIPATH.
- Slump: Non slump in normal applications.
- Skin Time: 5 min. @ 25°C, 7 min. @ 7°C.
- Tack Free Time: Less than 55 min. @ 25°C.
- Specific Gravity: 0.91g/mL
- Extrudability: 60g/min. @ 25°C (at 628kPa pressure through 3mm orifice), 8g/min. @ 7°C (620kPa pressure through 3mm orifice).
- Solids Content: 65%
- Cure: Neutral, will not attack metal or concrete substrate.
- Dirt Pick-Up: Minimal once tack free.
- UV Stability: Slight chalking on surface after 1000 hours (500 hours light time) of accelerated weathering in the QUV weatherometer.
- Hardness: 28 @ 10 weeks at 25°C.
35 @ 1000 hours of accelerated weathering in QUV weatherometer. (Shore A instantaneous).

Paintability

Water based paints: Good

Alkyd Paints: Good, after first undercoating with a water based paint. Unless first coated with a water based paint the sealant adversely affects drying of alkyd paints.

Recovery (from 100% extension)

(ASTM D412): 100% after 10 min.

Modulus (ASTM D412)

(a) @ 50% Extension: 0.055 MPa

(b) @ 100% Extension: 0.072 MPa

Ultimate Tensile Strength

(ASTM D412): 0.47 MPa

Elongation at Break

(ASTM D412): 440%

Adhesion: Tests were conducted on brass, copper, Zinalume®, galvanised iron, mild steel, anodised aluminium, milled aluminium, copperised sheet lead, Alsynite fibreglass roofing, Malthoid - asbestos reinforced bitumen, terrazzo, marble, cured concrete, nylon, PVC, glass, marine plywood and pine wood. Satisfactory adhesion is achieved to all of above substrates.

Flammability: Uncured sealant - flammable Cured sealant - will burn if ignited.

Service Temperature

Range: Suitable for use under normal temperatures reached on roofing materials in service. Maximum service temperature 80°C

Application

Temperature: In very cold weather All Clear should be conditioned to room temperature before use to make gunning easier.

*** Indicative data only. Not intended for preparation of specifications.**

HOW TO USE

Ensure that surfaces are free from dust, loose particles and soap residues.

Trim nozzle to 45° angle to desired opening and pierce inner membrane and fit cartridge into Selleys' cartridge gun.

Apply sealant by gunning firmly into joint or onto surface in a continuous steady flow, pushing sealant ahead of nozzle.

When applying to wet materials, keep nozzle very close to surface so that the extruding sealant immediately

contacts the surface and forces water away from the contact surface. For effective adhesion the substrate must start drying shortly after sealant application.

If adhesion to wet materials is difficult, wipe with rag soaked with acetone and apply sealant to the partially dry substrate. Adhesion may not be possible to some wet porous substrates such as some concrete or wood surfaces.

For a neat, smooth finish, tool sealant surface immediately with suitable spatula dipped into turps. If tape is used for clean joints remove immediately after applying sealant and tooling.

Over-painting

If required sealant can be overpainted immediately with water based paints (though for best results allow sealant to dry at least 24 hours). For oil based paints first coat sealant with a water based paint and allow to dry.

Cleaning up

Clean up tools, hands and spills before sealant cures with mineral turps or white spirit.

WARNINGS/FIRST AID

On direct contact, uncured sealant irritates eyes. In case of contact, flush eyes with water and contact a doctor.

Avoid repeated or prolonged skin contact. Use in a well ventilated area.

Intentional misuse by deliberately inhaling the vapours from this product can be harmful or fatal. Vapours can be ignited by flame or spark.

Contains highly flammable liquid hydrocarbons (30%). Keep product out of reach of children.

SHIPPING/STORAGE/DANGEROUS GOODS INFORMATION

Storage: Store below 27°C in a dry place, away from sources of ignition.

Shipping Limitations: Adhesive Class 3, UN1133, PGIII.

©2014 Selleys Chemical Company

All information contained in this Product Information Sheet is as accurate and up-to-date as possible. Products can be expected to perform as indicated in this Sheet, so long as application procedures are followed as recommended. However, there are no expressed or implied warranties set out in this information other than those implied by Commonwealth, State or Territory Legislation.