



ISO 9001:2008 Certified Company
"TIME TESTED PRODUCTS"
SINCE 1972

Zahabiya

Soft Seal Special ZSP-1191

High and Low Velocity Duct Sealant

Zahabiya Soft Seal Special ZSP-1191 is a room temperature curing mastic & caulking sealant which forms a soft gasket seal on self-curing. For all applications where a vapour barrier, air & gas tight, water & oil proof, weather resistant & non-cracking protective seal is required, this product is the perfect answer. It is an ideal non-toxic seam sealant (**duct sealant**) for Central Air-Conditioning Ducting System, for both high or low velocity ducts and meets the requirements of *H & Vac. Sec. DW / 141 (Adhesion)*, *B.S. 476 (Part-7) class "I" and Class "O" Tests*, *B.S. 476 (Part-6)*. ZSP-1191 has very good adhesion with **metallic surfaces, plastics, glass, polyurethane foams, polystyrene/ thermopore sheets, glass wool insulation** etc. It is the best replacement of traditional toxic silicon sealants and can be used in closed environment without emitting any bad odour or toxic fumes. The product is safe in handling and use, being **"Human Friendly & Environmentally Acceptable"**. Available in pails and 300 gm cartridges.

- Non-cracking, soft and flexible sealant.
- Cold/ hot waterproof; oil & solvent proof.
- Vapour barrier & air/gas tight.
- Resists temperature from -40°C to 200°C.
- Fungi, mildew and micro organism resistant.
- U/V & weather resistant.
- Non-toxic, non-flammable, non-hazardous in handling; non-polluting to atmosphere (ASTM E160).
- Non-corrosive and non-rusting.
- Fuel/ acids/ alkali resistant.
- Can be painted over.

COLOUR:

VISCOSITY:

DENSITY:

NON-VOLATILES:

DRYING:

VAPOUR PERMEANCE:

ELONGATION:

COVERAGE:

APPLICATION:

SHELF LIFE:

Translucent, white, grey, bronze and black. Other colours available on bulk order.

Paste-type consistency. 1600cps @100 RPM, Spindle 03 (ASTM D2507).

1.17 kg/litre on average (ASTM D1475).

70±1% as w/w (ASTM D3369).

Air drying (**Room Temperature Curing**). Touch dries in 30 minutes but drying continues uptill

48 hours depending on bead thickness and porosity of the surface, applied upon.

In thick coats (2mm to 3mm), the water vapour permeability of cured layers is negligible to be accounted (ASTM E398).

The fully cured 1 mm thick bead exhibits at least **300% elongation**, measured at 35°C at 65% R/H (ASTM C765).

Approximately 120 linear meters of 2 mm bead per kg or 36 meters per 300g cartridge.

Use as supplied. Apply by **Cartridge pack**, through mechanical dispenser, clean (grease) gun or by trowel.

Keep in the original containers airtight in well ventilated place at around 25°C. Use within 2 years of manufacturing date.



COMPARISON BETWEEN ZSP-1191 & NORMAL SILICON SEALANT

Nature/ Characteristic

Bond on damp/dry surfaces

Fungus attack

Bond strength with time

Drying time

Behaviour with metal surfaces

Compatibility to paint

Shelf life

Zahabiya Soft Seal Special

Human friendly. non-toxic, non-polluting & non-hazardous.

Excellent on both surfaces.

No

Improves.

Longer, depending upon thickness & relative humidity.

Non-rusting and protects surfaces wherever applied.

Can be painted over.

2 years.

Normal Silicon Sealant

Hazardous, toxic & pollutant (being acidic cured).

Doubtful on damp surfaces.

Yes

May slowly de-bond the surface.

Shorter being acidic cured. Deep cures faster.

Initiates rust on uncoated iron and steel.

Cannot be painted over.

6-9 months.

IMPORTANT NOTICE:

The Information & Data contained herein are correct to the best of our knowledge, tests and experience. These are presented in good faith to the users. The recommendations and suggestions mentioned are made without guarantees or representations as to the results. The Consumer should satisfy himself as to the suitability of the product for the intended purpose and use. WE ASSUME NO LIABILITY for damages of any kind and the user accepts the product 'as is' and without any other warranties, expressed or implied. Our warranty is limited to the replacement of so proved defective Zahabiya original sealed product only, provided used within shelf life as supplied originally.



Zahabiya Chemical Industries, Plot 14, Sector B-VIII, P.O. Box 18685, K.E.P.Z., Landhi, Karachi-75150.
Ph:+92-21-5082323/24 Fax:+92-21-5082325 Email: info@zahabiya.com , Web: http://www.zahabiya.com