DURASIL

Flexible Seal, Lasting Shield.

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www.duraforgeintl.com

A BRAND OF
DURAFORGE INTERNATIONAL
INDIA

DURASIL

Flexible Seal, Lasting Shield.

100% SILICONE SEALANTS

FLEXIBLE SEAL, LASTING SHIELD

9 grades | Acetoxy & neutral cure | UV & weather resistant



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ABOUT DURASIL

WHO ARE WE?

DURASIL is the silicone sealant brand of **DURAFORGE INTERNATIONAL**, an Indian exporter of building material and hardware. Our 100% silicone sealants seal, bond and protect joints in glazing, facades, plumbing, frames and industrial work, and stay flexible for years.

From all-purpose acetoxy grades to neutral-cure construction, weatherproof, glass & aquarium and high-temperature sealants, DURASIL gives distributors, contractors and fabricators one dependable range for every joint.



OUR MISSION

To supply reliable, long-lasting silicone sealants that keep buildings, vehicles and equipment sealed against water, weather and heat, with consistent quality in every shipment.

OUR VISION

To become a trusted sealant brand worldwide, known for flexibility, strength and value.

WHY DURASIL?

Stays flexible
High elongation absorbs joint movement without cracking.

UV & weather proof
Resists sun, rain, ozone and temperature cycles outdoors.

Waterproof
Forms a durable watertight seal on glass, metal and masonry.

Strong adhesion
Bonds to glass, aluminium, UPVC, concrete, wood and tiles.

Heat resistant grade
DS-410 handles continuous heat up to 310 °C.

Complete range
Nine grades, from value DIY to premium industrial use.

FLEXIBLE SEAL, LASTING SHIELD.

100 SERIES

ALL-PURPOSE SEALANTS

Acetoxy-cure silicones for glazing, windows & doors, plumbing, sanitary and everyday sealing.



DS-110

Premium All-Purpose

ACETOXY CURE

Glazing · Curtain walls · Cladding · Automotive

Pack: 280 ml cartridge



DS-120

All-Purpose Plus

ACETOXY CURE

UPVC & aluminium frames · Plumbing · Sanitary

Pack: 280 ml cartridge



DS-130

All-Purpose

ACETOXY CURE

Glazing · Plumbing · Door & window frames

Pack: 260 ml cartridge



DS-140

Value All-Purpose

ACETOXY CURE

Everyday sealing · Sanitary · DIY

Pack: 260 ml cartridge

TECHNICAL DATA

Property	DS-110	DS-120	DS-130	DS-140
Skin-over time (min)	8 – 10	8	8	7 – 9
Tack-free time (min)	15 – 20	15 – 20	15 – 20	18 – 20
Specific gravity (g/cm³)	≥ 0.96 – 0.98	≥ 0.95 – 0.96	≥ 0.95	≥ 0.93
Hardness (Shore A)	18 – 23	17	15 – 17	11 – 13
Depth cure (mm/day)	2 – 3	2 – 3	2 – 3	2 – 3
Flow	Non-sag	Non-sag	Non-sag	Non-sag
Tooling time (min)	20	15	15	15
Tensile strength (N/mm²)	0.80	0.70	0.70	0.55
Elongation (%)	> 500	> 600	> 600	> 650
Young's modulus (psi)	0.22	0.20	0.20	0.18
Service temp. (°C)	-20 to 180	-20 to 120	-20 to 120	-20 to 120
Shelf life (months)	12	12	12	12
Net quantity	280 ml	280 ml	260 ml	260 ml

APPLICATIONS

DS-110 Premium All-Purpose: Glazing, weather sealing, sheet cladding and curtain walling, general sealing and assembly, draught proofing, door & window frames, skylights, port and back lights. Automobile and windshield glass fixing, HVAC and sanitary use. Suitable for industrial applications and waterproofing.

DS-120 All-Purpose Plus: Glazing, general sealing and assembly, plumbing and sanitary, draught proofing, sealing UPVC and aluminium door & window frames, port and back lights, air-conditioning systems. Suitable for industrial applications and waterproofing.

DS-130 All-Purpose: Glazing, general sealing and assembly, plumbing and sanitary, draught proofing, sealing door & window frames, port and back lights, air-conditioning systems.

DS-140 Value All-Purpose: All-round use: glazing, general sealing, sanitary and plumbing, draught proofing, windows and doors, air conditioning and many other DIY applications.

200 · 300 · 400 SERIES

SPECIALITY SEALANTS

Rapid cure, glass & aquarium, neutral construction, weatherproof facade and high-temperature grades.



DS-210

Rapid Cure

ACETOXY CURE

Fast skin-over · Industrial glazing

Pack: 280 ml cartridge



DS-220

Glass & Aquarium

ACETOXY CURE

Aquariums · Glass · Windshield fixing

Pack: 280 ml cartridge



DS-310

Neutral Construction

NEUTRAL CURE

Concrete · Masonry · UPVC · Metal

Pack: 280 ml cartridge



DS-320

Weatherproof Facade

NEUTRAL CURE

External joints · Facades · Glazing

Pack: 300 ml cartridge



DS-410

High-Temp

NEUTRAL CURE · 310 °C

Ovens · Engines · Solar panels

Pack: 280 ml cartridge

TECHNICAL DATA

Property	DS-210	DS-220	DS-310	DS-320	DS-410
Skin-over time (min)	2 – 5	7	7	7	15
Tack-free time (min)	10 – 12	10 – 15	13	15	35
Specific gravity (g/cm³)	≥ 1.0	≥ 1.02	≥ 0.99 (colours ≥ 1.08)	≥ 1.35	≥ 1.1
Hardness (Shore A)	22	24	22 – 25	35	23
Depth cure (mm/day)	2 – 3	2 – 3	2 – 3	2 – 3	2 – 3
Flow	Non-sag	Non-sag	Non-sag	Non-sag	Non-sag
Tooling time (min)	12	13	13	10	15
Tensile strength (N/mm²)	0.70	0.70	0.80	0.90	1.4
Elongation (%)	> 650	> 500	> 525	> 450	> 400
Young's modulus (psi)	0.22	0.25	0.22	0.30	NA
Service temp. (°C)	-30 to 180	-30 to 200	-20 to 200	-40 to 200	-40 to 310
Shelf life (months)	12	12	12	12	12
Net quantity	280 ml	280 ml	280 ml	300 ml	280 ml

APPLICATIONS

DS-210 Rapid Cure: High-grade fast-curing sealant for industrial glazing, sheet cladding, assembly, automobile work, waterproofing, water-exposed joints, auto glass, gasketing, stone sealing and swimming pools.

DS-220 Glass & Aquarium: High-grade sealant specially formulated for aquariums, glass cladding, glazing, auto windshield fixing, industrial applications, back lights and sports lights.

DS-310 Neutral Construction: For interior and exterior perimeter joints in buildings and all types of construction. Durable adhesion to concrete, masonry, brick, UPVC, wood, glass, glazed surfaces and many metals. Low odour and non-corrosive.

DS-320 Weatherproof Facade: For external weather sealing. Durable adhesion to concrete, masonry, brick, UPVC, wood, glass and glazed surfaces. Safe on metals used in construction, with no risk of corrosion from the sealant.

DS-410 High-Temp: Excellent resistance to weathering, UV, moisture, ozone, vibration and extreme temperature. Good dielectric properties for solar panels. Seals heating-element terminals, oven doors, incubators, sterilisers and tanks, automobile engines and high-heat gaskets.

SELECTION GUIDE

PICK THE RIGHT GRADE

Application	110	120	130	140	210	220	310	320	410
Glazing & windows	•	•	•	•	•	•	•		
UPVC & aluminium frames	•	•	•	•			•	•	
Plumbing & sanitary	•	•	•	•					
Concrete, brick & masonry							•	•	
External facades & weather joints	•							•	
Glass, aquariums & windshields	•					•			
Automotive & industrial assembly	•				•	•			•
Metals (non-corrosive)							•	•	•
High temperature (ovens, engines)									•

Codes shown without the DS- prefix. • = recommended.

Acetoxy cure

Fast, strong all-round grades. Releases a mild vinegar smell while curing. Best on glass, glazed and non-porous surfaces.

Neutral cure

Low odour and non-corrosive. Safe on metals, concrete, masonry, UPVC and sensitive substrates.

HOW TO APPLY

1. **Prepare**
   Surfaces must be clean, dry and free of dust, oil and old sealant.
2. **Cut & fit**
   Cut the cartridge tip, screw on the nozzle and cut it at 45° to the joint width.
3. **Apply**
   Use a caulking gun to apply a continuous bead, pressing it into the joint.
4. **Tool**
   Smooth the bead within the tooling time for a neat, well-bonded finish.
5. **Cure**
   Allow 24 hours for 2–3 mm depth. Avoid water and movement while curing.

Storage

Store sealed in a cool, dry place below 30 °C. Shelf life 12 months from production.

Private label

Custom colours, pack sizes and your own brand label available for bulk orders.

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