HP ADHESIVES LIMITED



STRONG SEAL™

IATF 16949

RoHS

CE

SEALANTS & PU FOAM



For High Performance in Construction / Building & Automobile Solutions

UNDER ASSISTANCE FROM
HAWTHORN TECHNOLOGY

ABOUT US

HP Adhesives is a leading multi-product adhesives and sealants company. With a wide product portfolio of solvent cements, silicone sealants, PVA adhesives, synthetic rubber adhesives and other ancillary products, we cater to customers across India and globally. State-of-the-art manufacturing facility in western India with strategically located sales depots across India enables us to consistently provide high quality products to our customers. HP Adhesives is ISO 14001:2015, ISO 45001:2018 and ISO 9001:2015 certified organization. HP Adhesives is also CE and RoHS compliant.

A steady increase in Revenues, profits and satisfied customer base which is growing every year has ensured that we haven't looked back – going from strength to strength through our 40 years of journey. During this period, HP has achieved many successful milestones, the most recent being a successful IPO and thereby becoming a Public limited Company. Our core values of Transparency & Integrity, Frugality and Customer centricity continue to form the basis of all our business decisions. We believe that our journey has just begun and many more strategic milestones await us.





UNIVERSAL POLYURETHANE FOAM



- STRONG SEAL UNIVERSAL POLYURETHANE FOAM is highly expanding ready to use one component sealing foam based on polyurethane chemistry.
- It harden at ambient temperatures to a low density mass by reacting with atmospheric moisture and on curing it exhibits excellent adhesion to wood, metals door/window frames, glass, painted surfaces, some plastics, concrete, plasters etc.
- Microcellular structure of the foam reveals a closed cell structure, hence foam is resistant to water absorption, has excellent thermal insulation characteristics and can be used for insulating hot/cold water piping, refrigerating systems etc.
- STRONG SEAL UNIVERSAL POLYURETHANE FOAM is easy to extrude and suits excellently for sealing of high volume low movement gaps, cracks and holes which are hard to fill by any other type of conventional sealants. Product Shelf Life is 12 months from manufacturing date.

STRONG SEAL™

MS POLYMER



Products	AUTOMOTIVE BODY SHOP 9010	MULTIPURPOSE 9025	FAST & STRONG 9030	AUTOMOTIVE GLASS & METAL 9040
Base of product	MS Polymer	MS Polymer	MS Polymer	MS Polymer
Consistency & Curing	Stable paste & Moisture cure	Stable paste & Moisture cure	Stable paste & Moisture cure	Stable paste & Moisture cure
Skin formation (20ºCen /65%.R.H)	10 min	15 min	10 min	12 min
Curing speed (20ºCen /65%.R.H)	3-4mm / 24hrs	3mm / 24hours	3-4mm / 24hours	3-4mm / 24hours
Hardness (DIN 53505)	55 ± 5 Shore A	50 ± 5 Shore A	45 ± 5 Shore A	55 ± 5 Shore A
Specific gravity (DIN 53479)	1.56 g/L	1.51 g/L	1.53 g/L	1.46 g/L
Elastic recovery (IS 7389)	> 75%	> 75%	> 75%	> 75%
Temperature Resistance	-40ºCen to 90ºCen	-40ºCen to 120ºCen	-40ºCen to 110ºCen	-40ºCen to 90ºCen
Tensile Strength (ASTM D-412 C)	2.00 N/ MM²	2.50 N/ MM²	2.40 N/ MM²	2.40 N/ MM²
LAP Shear strength (ASTM C961)	1.7 N/ MM²	1.8 N/ MM²	1.8 N/ MM²	2.0 N/ MM²
Elongation at break	320%	350%	380%	300%
Tear Strength N/mm	12.5	15.7	14.0	18.0
Shelf life	12 Months	12 Months	12 Months	12 Months

Features:

- Good extrudability.
- Available in black, white & grey color.
- Stays elastic after curing and very sustainable.
- Best adhesion on most surfaces even if slightly moist.
- paintable with any type of paints.
- No odour, staining, cracking and stays tuff bonded.
- Very low emission < 35g/L, hence green house compliant product to LEED and SEAQMD Rule 1168.
- Do not content solvents, isocyanate, acids, halogens and toxic components hences neutral and safe to use.
- Colour stable, and good Weather and UV resistant.

FREE FROM ISOCYANATES



Applications:

- Sealing & bonding of main panels, skirt panels, roof panels, ceiling panels, floor & other areas in bus, trains, containers, coaches in body building applications.
- Automotive wind shield, windows, window glass & any other glass to metal or FRP applications. Metals to metal, wood, ACP, GRP, ABS & many other substrates in automobile, building & construction industry.
- Ideal for nail-free fixing applications.
- Elastic bonding for vibrating areas (automobiles, machinery, reefer trucks, elevators & escalators).
- Suitable for HVAC, floor joints, windows, doors and sanitary sealing
- Used in machinery and other assembly areas where welding is not possible
- Fixing & repairing of stone, marble and decorative structures
- Will not work with PE, PP, PTFE / Teflon.

STRONG SEAL™

SEALANTS







Products	BRONZE 3200	SILVER 3400	SILVER+ 3500
Color	Clear, White, Black & Customized Colors	White, Black, Clear, Cream, Grey & Customized Colors	White, Black, Clear, Cream, Grey & Customized Colors
Curing System	Acetoxy	Acetoxy	Acetoxy
Application	All application such as glazing, general sealing, sanitary and plumbing, drought proofing, windows and doors, air conditioning and many other DIY applications.	Glazing, general sealing and assembling plumbing and sanitary, drought proofing, sealing door & window frames, port lights, back lights and air conditioning systems.	Glazing, general sealing and assembling plumbing and sanitary, drought proofing, sealing UPVC & Aluminum door & window frames, port lights, back lights and air conditioning systems. This can be used for all industrial applications & waterproofing.
Skin Over Time (min)	7 - 9	8	8
Tack Free Time (min)	18 - 20	15 - 20	15 - 20
Specific Gravity (g/cm^3)	$\geq$ 0.93	$\geq$ 0.95	$\geq$ 0.95 - 0.96
Hardness (Shore A)	11 - 13	15 - 17	17
Depth Cure (mm / day)	2 - 3	2 - 3	2 - 3
Viscosity Flow (mm)	Non Sag	Non Sag	Non Sag
Tooling Time (min)	15	15	15
Tensile Strength (N/mm^2)	0.55	0.70	0.70
Elongation Approx %	> 650	> 600	> 600
Young's Modulus (psi)	0.18	0.20	0.20
Service Temp (^0C)	-20 to 120	-20 to 120	-20 to 120
Shelf Life (months)	12	12	12
Net Quantity	260 ml	260 ml	280 ml









GOLD 3600	FAST 3700	GLASS & AQUARIUM	NEUTRAL N7400
White, Black, Clear, Cream, Grey & Customized Colors	White, Black, Clear, Grey & Customized Colors	White, Black & Clear	White, Black, Cream, Brown, Clear, Grey & Customized Colors
Acetoxy	Acetoxy	Acetoxy	Neutral
Glazing, weather seal, sheet cladding, curtain walling, general sealing and assembling, drought proofing, sealing door & window frames, skylights, port lights, back lights etc. Automobile and wind shield glass fixing, HVAC & sanitary use. This can be used for all industrial applications & waterproofing.	A high grade sealant specially formulated for special applications such as industrial glazing, sheet cladding, assembling, automobile, water proofing, water exposed applications, auto glass, gasketing for sealing in stone, swimming pools	A high grade sealant specially formulated for Aquariums, glass cladding, glazing, auto wind shield fixing, industrial applications, back lights, sport lights etc.	For interior and exterior applications like perimetral joints, building and other type of construction. Durable adhesion in range including concrete, masonry, brick, UPVC, wood glass and glazed surfaces and some metals used in construction. Suitable for general applications.
8 - 10	2 - 5	7	7
15 - 20	10 - 12	10 - 15	13
≥ 0.96 - 0.98	≥ 1	≥ 1.02	≥ 0.99 & Color: ≥ 1.08
18 - 23	22	24	22 - 25
2 - 3	2 - 3	2 - 3	2 - 3
Non Sag	Non Sag	Non Sag	Non Sag
20	12	13	13
0.8	0.70	0.70	0.80
> 500	> 650	> 500	> 525
0.22	0.22	0.25	0.22
-20 to 180	-30 to 180	-30 to 200	-20 to 200
12	12	12	12
280 ml	280 ml	280 ml	280 ml

STRONG SEAL™

SEALANTS







Products	NEUTRAL+ N7700	WEATHER W7890	HEAT RESISTANT HR7500
Color	White, Black, Cream, Brown, Clear, Grey & Customized Colors	White, Black, Cream, Brown, Clear, Grey & Customized Colors	Red & Black
Curing System	Neutral	Neutral	Neutral
Application	Specialized construction UV resistant sealant for weatherproofing and bonding a variety of materials without corrosive vinegar smell of traditional sealants. Ideal for general glazing, waterproofing and construction sealing with good adhesion on glass, anodized aluminum, powder coating & PVDF, ceramics, wood, uPVC. Compatible with other sealants.	For external weather sealing. Durable adhesion in range including concrete, masonry, brick, UPVC, wood glass and glazed surfaces. Used in some metals for construction without danger of corrosion from the sealant.	Excellent resistance to weathering, UV, moisture, ozone, vibration & extreme temperature. Good Dielectric properties hence can be used for solar panels. Used for sealing terminals of heating element, oven door, gasketing, incubator, sterilising, tank sealing, Automobile engines & gasketing application where high heat resistance is required.
Skin Over Time (min)	5 - 7	7	15
Tack Free Time (min)	20	15	35
Specific Gravity (g/cm^3)	$\geq$ 1.00	$\geq$ 1.35	$\geq$ 1.1
Hardness (Shore A)	25	35	23
Depth Cure (mm / day)	2 - 3	2 - 3	2 - 3
Viscosity Flow (mm)	Non Sag	Non Sag	Non Sag
Tooling Time (min)	10	10	15
Tensile Strength (N/mm^2)	0.89	0.90	1.4
Elongation Approx %	> 680	> 450	> 400
Young's Modulus (psi)	0.3	0.3	NA
Service Temp (^0C)	-40 to 200	-40 to 200	-40 to 310
Shelf Life (months)	12	12	12
Net Quantity	280 ml	300 ml / 600 ml	280 ml









ACRYLIC SEALANT	WIN-DOOR SEALANT	FIRE RETARDANT ACRYLIC SEALANT	MS POLYMER NAIL FREE 9000
White, Black, Grey & Customizes Colors	White, Black, Grey & Customizes Colors	White, Black & Grey	White
Acrylic Dispersion	Acrylic Dispersion	Acrylic Dispersion	Hybrid Polymer
Joints in the building industry between wood, metal window frames, UPVC doors & windows, concrete brick work, joints between concrete and ceiling elements between wall and ceiling skirting boards, window sills, sealing around pipe joints, sealing duct work, sealing duct seams, wall cracks filling, aerated concrete for inside and outside applications.	A Premium Joint Sealant for the building industry for wood, metal window frames, UPVC doors & windows, concrete brick work, joints between concrete and ceiling elements between wall and ceiling skirting boards, window sills, sealing around pipe joints, sealing duct work, sealing duct seams, wall cracks filling, aerated concrete for inside and outside applications.	A premium-quality acrylic sealant engineered to provide over 2 hours of fire resistance, helping to effectively prevent the spread of fire through sealed joints and gaps. Specially designed for interior fire protection applications, this sealant ensures reliable performance in critical areas.	Sealing and bonding in the building and construction industry. Fixing of skirting, cornice and other pasting applications. Sanitary applications, sealing of floor joints, clean rooms panels, HVAC, caravans manufacturing, windows and doors sealing applications. Automobile and trains coaches body building applications.
9 - 12	9 - 12	15	4 to 6
30	35	30	15
$\geq$ 1.45	$\geq$ 1.58	$\geq$ 1.63	$\geq$ 1.45
15	20 - 25	52	35 - 40
2 - 3	2 - 3	2 - 3	3 - 4
Non Sag	Non Sag	Non Sag	Non Sag
15	15	13	6
0.40	0.50	0.70	2.1
> 300	> 400	> 200	> 180
NA	NA	-	216
0 to 90	0 to 90	0 to 90	-40 to 100
12	12	12	12
280 ml	280 ml	280 ml	280 ml

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