



RAZON

ALL SEAL (Multi Purpose Sealant)

ALL SEAL is a versatile single component, non sag, rapid grip, fast setting, high bond, elastic, flexible, water resistant, weather & ageing resistant, paste based on PVA hybrid for sealing gaps, joints and cracks upto 2" without fracturing and easily absorbing distortions for all tropical climates. With its adhesion characteristics it borders the properties of an adhesive. It requires no external curing and is impermeable to water.

Applications:-

SEALING- FIXING – BONDING – JOINING

- most household,/ construction,/ industrial materials such as **aluminum, metal, glass, concrete, plasters, wood, tiles, ceramics, roofing sheets, PVC pipe joints, etc** and
- Cracks in concrete, plaster, upto 10 mm width.
 - Sealing gaps between aluminum sheets or profiles used in variety of application like window frames and substrate, office cubicle sections; sealing glass in aluminum sections etc
 - Bonding, fixing, joining and sealing non structural elements for aesthetics and water proof joints.
 - Used for sealing gap between sink/ bathtub and vertical/ horizontal tiles, replacing tiles on vertical surface, sealing gaps of door frames in the floors sealing joints of vertical

tiles, drilled holes in tiles/ walls, pasting decorative wall papers and flooring mats etc..

- Seal Vertical and Horizontal joints/ cracks / pavement grooves upto 2" width
- Sealing all types of holes or joints/cracks, between asbestos/cement fibre corrugated sheets and U/J bolt holes.
- Sealing rivet joints & lap joints of various metals such as MS, aluminum, PVC sheets, checkered plates etc for watertight permanent joints in railway coaches, bus bodies etc.
- Sealing threads of PVC/ GI pipes to prevent leakages
- Ideal for HOUSEHOLD, CRAFT & HOBBIES, CONSTRUCTION, INDUSTRIAL applications

Advantages:-

- ✓ Highly Elastic
- ✓ Single Component, easy to use
- ✓ Non Sagging
- ✓ Fast Set
- ✓ Long Life
- ✓ Maintains its properties even upto 50°C Temperatures
- ✓ Built for tropical climates
- ✓ High Flexibility
- ✓ Highest bond to most materials.

Surface Pre-Treatment & Method Of Application

ALL SEAL is used when atleast one of the substrates in porous. Clean the surfaces to be sealed/ joined.

For cement plasters or gypsum plasters, Widen the crack upto 3mm width and 3 mm depth, & dampen the crack with ample of water. Apply All SEAL while the crack is damp.

Else if it is not possible to widen the crack; dampen the surface with water and then seal it by using a putty knife to push ALL SEAL into the crevices.

For two moveable surfaces:- Apply ALL SEAL directly into the gap/joint. Hold surfaces together firmly overnight.

Once cured, the sealant's matrix becomes like a semi-flexible rubber, which is elastic and firm. It maintains a complete dense elastic & waterproof seal in tropical conditions for temperatures upto 50°C. It has very high bond strength to wide range of substrates. Once set, it could be painted upon easily.

Packing: Easy to use 0.2kg, 0.5 kg, and bulk packs of 1 kg, 4 kg, 20 kg, 200 kg drum packing

Coverage

Typical Coverage of ALL SEAL			
Width of groove/ crack	Depth of groove/crack		
	5mm	10mm	25 mm
5mm	44 M	22 M	9 M
10mm	18 M	9 M	3.5 M
25 mm	7 M	3.5 M	1.5 M

Technical Data

No	Characteristic	Property
1.	Appearance	White, Grey & Black
2.	Consistency	Non-Sag paste
3.	Density	1.65 approx
4.	Curing Times @ 30° C (depends upon substrate)	Touch Dry within 0.5 hours Hard Dry 24 hours Full cure 7 days
5.	Shrinkage	Slight
6.	Glass Transition temperature	-8 °C
7.	Service Temperatures	1 °C to 80 °C
8.	Shore A Hardness	About 55 ★
9.	Elasticity	> 125% before fracture
10.	Resistance to UV rays and water	Excellent
11.	Adhesion to materials such as concrete, glass, metals, aluminium, wood, ceramic, asbestos, POP, card-paper, fiber sheets, ..	Excellent
12.	Bond strength between aluminum sheets and concrete	0.13 MPa after 24 hours @ 32 °C 0.5 MPa after 7 days
13.	Tensile Strenght	1 MPa approx
14.	Shelf Life	12 months if stored in cold dry place away from sunlight in tightly sealed containers.



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