


**Jubiguard**

# DAMP RELIEF

**High Solid Acrylic Waterproof Coating With Heat Reflection**

JUBIGUARD DAMPRELIEF is an advanced elastomeric liquid-applied waterproofing membrane formulated with carefully selected acrylic polymers. Upon curing, it forms a seamless film that exhibits exceptional strength, flexibility, durability, and weather resistance, providing the ultimate waterproof coating. This coating is engineered to create a robust barrier against weathering agents and UV rays while also serving as an effective anti-carbonation coating. With its high-performance features, JUBIGUARD DAMPRELIEF ensures long-lasting protection for various surfaces.



## Application Areas

JUBIGUARD DAMPRELIEF is used as Waterproof and protective coating for the following structures:

- Concrete Roofs both Flat and Sloped
- Terraces, Balconies, Parapet and Domes
- Exterior Vertical Wall
- Metal Profile Roofs and Asbestos Roofs
- Corrugated Metal Sheets
- Tunnels, Underpasses & Concrete Bridge Decks
- It can also be applied on existing IPS, Sound Brick-Bat Coba or Cementitious Waterproofing
- Also used as an anti-carbonation protective coating for exposed concrete structures



## Technical Details

Properties	Values	Test Standards
Appearance	White	In House
Solid	62 ± 2%	ASTM D 1644:01
Elongation	≥ 500%	ASTM D 412:2016
Crack bridging ability	≥ 1.5 mm	EN 1062 - 7:2004
DFT	1 - 1.2 mm	
Tensile strength	≥ 2N/mm <sup>2</sup>	ASTM D 412:2016
Density	1.30 ± 0.05gm/cc	ASTM D 1475:2013
Pull of Adhesion,	1.83 Mpa	ASTM D 4541:2017
Water absorption after 7 days	<3 %	ASTM D 471:16a
Hydrostatic head pressure @ 5 bar pressure	Nil	BS 12390
UV Resistance	100 hrs	ASTM D 4587:11



## Coverage

- 1.2-1.5 kg/m<sup>2</sup> in 2-3 Coats

Coverage depends on the porosity of the surface and the method of application. The coverages mentioned are theoretical and based on test conditions. It is strongly recommended to conduct a site trial before mass application to ensure optimal results.



## Pack Sizes

1 kg, 5 kg, 10 kg & 20 kg



## Features



### Excellent Waterproofing

Waterproofing protection up to 7 bars of positive hydrostatic pressure.



### Crack Bridging

Unmatched crack bridging ability due to elastomeric properties.



### Durable Coating

UV and weather-resistant, maintains properties over time.



### Better Elongation

Coating is able to handle higher stress. It is tough yet highly flexible.



### Easy to Apply

Single pack, easy to apply and simple re-coating for maintenance purpose.



### Low VOC

As the coating is water-based.



### Excellent Bonding

Bond strongly to concrete & most of the other substrates.



### Excellent Resistance

to diluted acids, hydrocarbons, sulfate, and chloride ions.



### Excellent Heat Insulation

Provides surface temp. reduction up to 10°C.



### Anti-Carbonation

Provides corrosion protection for re-bars by resisting carbon dioxide and chloride ion ingress.



### High Mechanical Strength

High tensile strength & superior abrasion resistance.



## Shelf life



### Best before 24 months

in sealed pack under proper storage.

- Failure to comply with the recommended storage conditioning may result in premature deterioration of the product or packaging.



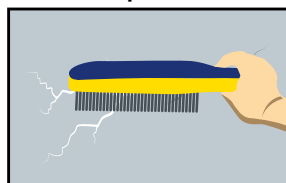
## Health & Safety

- JUBIGUARD DAMPRELIEF is safe, non-toxic, and eco-friendly and presents no health hazard. As with all chemicals, caution should always be exercised.
- Use protective clothing such as rubber hand gloves & safety goggles, while using JUBIGUARD DAMPRELIEF
- In case of contact with skin, wash with plenty of water.

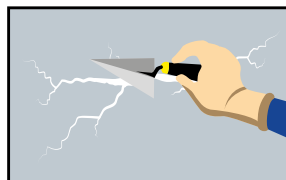


## Method of Application

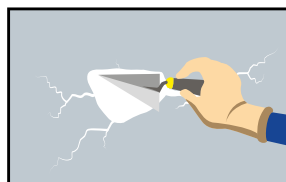
### Surface Preparation



Remove the loose and unsound materials, oil, dirt, debris from the substrate. Remove all the previous waterproofing coatings if any by mechanical means to avoid failure of any subsequent upcoming waterproofing coatings.

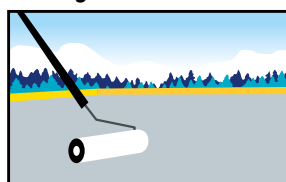


Check substrate with a small hammer for soundness. Treat cracks at corners, channels, and parapets carefully.



Use JUBIGUARD CRACK-SHIELD for up to 10 mm cracks. Repair larger cracks, damaged areas, and hollow spaces with polymer-modified cement mortars.

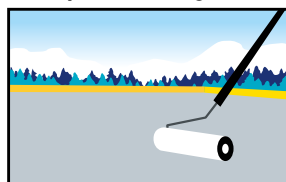
### Priming



Apply a primer coat on SSD surface by diluting JUBIGUARD DAMPRELIEF with 20% water.

Allow it to dry completely for a minimum period of 4-6 hours before applying the acrylic coating.

### Waterproof Coating



To ensure a homogeneous mix, it is recommended to mix the contents of the pail prior to the application.

After drying of Primer coat, apply each coat of JUBIGUARD DAMPRELIEF at a coverage rate of 1 lt/m<sup>2</sup> to attain a Dry Film Thickness of 0.6mm. A total of 1.2 mm thickness will be achieved in two coats. For best results, apply the coating with a soft-bristled brush or a roller. Corners and joints shall be treated with a fiber mesh to provide added strength to the applied coating. This mesh shall be applied immediately on the 1<sup>st</sup> coat whilst it is still wet. The application of the second coat shall be carried out after the first coat dries off.



## Precautions & Limitations

- The forced coverage leads to long term performance hence it is recommended to ensure coverage as per datasheet only.
- Do not apply during rains or extreme temperatures.
- Avoid abuses which may lead to puncturing of membrane.
- For best results, apply coating on parapet walls as well.

**For professional use only. Keep out of reach of children.** This Information and our technical advice - whether verbal, in writing, or by way of trials - are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided - especially that contained in our safety data and technical information sheets - and to test our products as to their suitability for the intended processes and uses. The application, use, and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility.

Version No. VN01/04/2024. Please note that this datasheet supersedes all previous versions

**For Feedback/complaints, write to Product Manager, CPD, Jubilant Agri and Consumer Products Limited**

Plot No. 142, Chimes, 3rd Floor, Sector 44, Gurugram 122003, Haryana, India Tel.: +91 120 6290100 E-mail: jivanjor@jubl.com Website: jacpl.co.in