

# Aquaseal 305

## Water-based Rubberized Waterproof Coating(Exposed)

### Product Description

Aquaseal 305 is a ready-to-use, single-component elastomeric coating with premium rubber and resin. It offers excellent UV resistance, flexibility, and weatherproofing-perfect for exposed roof repairs and waterproofing without a protective layer.



### Product Features

- Wear-Resistant & Light Trafficable.
- Excellent UV Aging Resistance.
- Seamless & Elastic.
- Can be exposed 5 year+.

### Where To Use

Suitable for waterproofing, repair, and renovation projects on various roofs, terraces, exterior walls, and other structural surfaces.

### Packaging

5kg/pail, 20kg/pail; Grey, White

### Recommend Usage

Coverage: 0.75 kg/m<sup>2</sup> per coat. Recommended application: 2-3 coats.

5 kg pail: Covers 3 m<sup>2</sup> to 4 m<sup>2</sup> (based on 2-3 coat application).

20 kg pail: Covers 12 m<sup>2</sup> to 16 m<sup>2</sup> (based on 2-3 coat application).

( Note: The data belongs to the calculation of standard experimental environment and is for reference only. The actual amount should be calculated according to the site base surface. )

### Construction Procedures

Surface treatment→001 Primer→Node Enhancement Processing→First pass of construction→Apply the 2nd to 3rd layers(with non-woven fabric)→Coating maintenance and finished effect.

## Precautions

- The substrate should be solid and level, free of dust, powder, and oil.
- It is recommended to use Latex 001 for primer treatment of the substrate to enhance the adhesion between 305 and the base layer.
- Adding non-woven fabric at joints or large surfaces can effectively improve the overall integrity and crack resistance of the waterproof coating.
- It is recommended to apply 2 ~ 3 coats, with a total coating thickness of not less than 1.5mm.
- The coating requires 24 hours to fully cure. In low temperature or poorly ventilated environments, the full curing time is extended.
- Before the coating is fully cured, stepping on it or soaking it in water is prohibited.

## Storage And Transportation

- **Transportation:** This product is classified as non-flammable and non-explosive and may be transported as general cargo. During transit, protect from freezing, rain exposure, direct sunlight, compression, and impact. Ensure packaging remains intact and undamaged.
- **Storage:** Store in a well-ventilated, dry environment protected from direct sunlight. Maintain storage temperature between 5° C and 35° C.
- **Shelf Life:** Under normal transportation and storage conditions, the shelf life is 12 months from the date of production

## Technical Data Based For Reference

**Implemented standard:Q/SDKS 107-2024**

NO.	Test Item		Index
1	Solid content/% $\geq$		60
2	Tearing strength /(N/mm) $\geq$		12
3	Impermeability		0.6 MPa, 30 min, Impermeable
4	Tensile Properties	Tensile strength/Mpa $\geq$	2.5
		Elongation at break/% $\geq$	200
5	Heat treatment(80° C , 168h)	Tensile strength retention / % $\geq$	8
		Elongation at break / % $\geq$	150
6	Alkali treatment [0.1 % NaOH+saturatedCa(OH) 2 solution, 168h]	Tensile strength retention / % $\geq$	60
		Elongation at break / % $\geq$	150

NO.	Test Item		Index
7	Acid treatment (2%H SO <sub>4</sub> solution, 168h)	Tensile strength retention / % $\geq$	60
		Elongation at break / % $\geq$	150
8	Artificial weathering aging(720h)	Tensile strength retention / % $\geq$	80
		Elongation at break / % $\geq$	150
9	Surfacedryingtime $\leq$		4
10	Completecuringtime $\leq$		8
11	Thermal tensile ratio / %		- 4.0- +1.0
12	Coating Temperature Change Resistance		-15°C, No powdering, No cracking, No blistering, No delamination, or No significant discoloration