



Water Guard 3020N is a One Component acrylic co-polymer based flexible waterproofing and a moderate heat reflective insulation system ideal for use on cementitious and metal surfaces. Water Guard 3020N is suitable for many waterproofing applications, such as swimming pools, balconies, bathrooms, wet areas, basements, roof water, roof waterproofing system in damp conditions, where other systems cannot be used, such as lift pits etc.

TECHNICAL DATA

Property	Test Method	Value
Component	-	Single
Form	-	Viscous Paste
Color	-	White
Specific Gravity	ASTM D 1457	1.50 ± 0.02
Solid Contents	ASTM D 1644	65% ± 3%
Drying Time	-	40-50 minutes
Recoat Time	-	Minimum 2 Hours
Full Cure	-	Minimum 7 Days
Bond Strength	ASTM D 4541	> 1 N / mm ² @ 28 Days
Initial water absorption	BS 1881 - 5	>98% reduction over control
Crack bridging ability	ASTM C 836	No Crack at 1mm thickness
Elongation	ASTM D 415	>160%
UV Resistance	ASTM G 53	No change in color after 300 hours
Heat Reflectance	-	30 %
Accelerated weathering	-	PASS – No Cracking

*Typical results under laboratory conditions.

ADVANTAGES

- ✓ Can be applied to freshly hardened concrete.
- ✓ Moderate heat reflectivity
- ✓ Excellent elongation and flexibility.
- ✓ Exhibits crack bridging and sealing property.
- ✓ Protection against carbonation and chlorides.
- ✓ Excellent for damp proofing basements.
- ✓ Excellent adhesion.
- ✓ Easy to apply.
- ✓ Increased frost and salt resistance



SURFACE PREPARATION

Surface should be cleaned and sound, free from dust, loose particles, grease, oil, primers, from Previous membrane systems or bitumen. Bitumen or primers should be removed by shot blasting or mechanical means. Spalled concrete should be repaired by cutting to sound Concrete and patching with Polymer modified mortars. There are a variety of repairing mortars and crack fillers available in Ressichem Patch and Crack Heal range for the repairing of a variety of different surfaces. It is recommended to use polymer coated tape (Construction Grade) at all critical areas such as intersections, corner joints, floor/wall junctions, gaps, peripheral areas, or pipelines before the application of **Water Guard 3020 N**. Prior to fixing the polymer coated tape, gaps and corners should be filled and leveled with an appropriate polymer modified Grout from the Ressichem range of products.

APPLICATION

Saturate the concrete surface with clean water. Apply the first coat while the surface is still damp with no free-standing water. Apply using a short stiff bristle brush or roller at a minimum thickness of 1 mm per coat. After 2-3 hours, apply the second coat in perpendicular direction to the first coat (If the first coat has been applied in top to bottom direction, the second coat should be applied in left to right direction and vice versa). Spray or trowel application is acceptable provided the mixing ratio is adjusted to achieve the right consistency. It is recommended that for application over hollow blocks or highly porous areas, a minimum of 3 coats to total thickness of 3 mm be applied.

CURING

Water Guard 3020 N should be protected from high wind, direct sunshine, and rain until fully cured. Keep the treated area moist for 3-4 days after application.

SHELF LIFE

Expiration of **Water Guard 3020N** is 12 months after production date under dry and sheltered conditions.

PACK SIZE

Water Guard 3020N is available in 15 KG and 20 KG Buckets.

HEALTH AND SAFETY

Water Guard 3020N is not regarded as hazardous for transportation. Do not reuse the packaging and dispose them off as per local rules and regulations. Gloves and suitable masks can be worn during application. Please refer to the MSDS of the product for further health and safety information.