



PRODUCT	Acryrubber
MISSION	Highly elastic synthetic resin based liquid waterproofing anticarbonation in water emulsion
CHARACTERISTICS	<p>Acryrubber is a synthetic resin based elastomer liquid membrane in water emulsion used to waterproof any type of complex structured deck (domes, undulated, irregular or flat decks, cement decks in general, tiled patios, damaged bituminous membranes, sheet plate, plaster, and to protect polyurethane foam waterproofing applied by spray gun) without pooling.</p> <p>After curing, Acryrubber, becomes a seamless waterproofing membrane, with elastic behaviour that adapts to settlement and thermal stress movements of the deck. The type of synthetic resins used and appropriate additives ensure that the product is practically inert to UV radiation with excellent resistance to ageing.</p> <p>Acryrubber is tested following the EN 1297 standard (method of artificial ageing by long term exposure to the combination of UV radiation, elevated temperature and water) resulting in accordance. Thanks to the fact that Acryrubber is white its reflective properties considerably reduce overheating in rooms.</p> <p>Acryrubber can be also applied as anticarbonation protective finish coat on concrete, external facades and cementitious surfaces in general; thanks to his characteristics of transpirability and waterproofing avoid the contact between concrete and water to prevent degradation phenomena.</p>
APPEARENCE	Pigmented viscous paste

CHARACTERISTICS OF THE LIQUID PRODUCT

CHARACTERISTICS	VALUE	TOLERANCE	U.M.
Specific weight	1,33	± 0,1	Kg/dm ³
Dry residue	58	± 1	%
Viscosity at 23° C (with Brookfield viscosimeter, rotor n. 4, speed 5)	15000	± 2000	mPa.s

APPLICATION INSTRUCTIONS

TOOLS	THINNING	TYPE OF THINNER	TOOL CLEANING
Brush			Water
Roller			Water
Spray	Approx. 10 %	Water	Water

LAYING SURFACE	<p>Ensure that the deck is clean removing all traces of dirt, grease and loose parts, if necessary, repair excessive roughness and ensure sufficient slope to ensure rainwater runoff.</p> <p>The deck should be perfectly dry and any residual moisture, measured on the screed, should be under 3%. If not, install vents or vapour barriers depending on the type of deck (please contact Casali's Technical Office).</p>
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CONSUMPTION	Approx. 1 Kg/sqm in 2/3 coatings as waterproofing and 0,4 – 0,5 Kg/sqm in 2 coats as anticarbonation coat (dry film thickness 170 – 220 µm)
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APPLICATION INSTRUCTIONS	Temperature limit during application: MIN 10°C - MAX 40°C. Product must be perfectly dry before exposure to fog, rain or frost.
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DRYING AT 23° C AND 50 % U.R.	On surface: 30' To touch: 1 h Interval between coatings: 5 h The times shown are intended for standard laboratory conditions. Drying times are strongly affected by weather conditions; high temperatures and direct sunlight reduce the drying times; areas in shadow, low temperatures and high humidity increase the drying times. In winter the product should be laid in the middle of the day when it is warmer. Ensure that the previous layer has dried properly before applying the next layer.
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CHARACTERISTICS OF THE DRY PRODUCT			
CHARACTERISTICS	VALUE	TOLERANCE	U.M.
Breaking load	1,8	± 0,1	N/mm ²
Elongation at break	210	± 40	%
Flexibility at low temperatures	- 10	± 1	° C
Resistance to abrasion (weight loss): (mole CS10, 1000 g, 1000 rpm)	36		mg
Shore A hardness	60	± 5	
Adhesion (with Acrybase S)	3	± 0,1	N/mm ²
Resistance to ageing according to EN 1297 (weathering test)	Accordant		
Water vapor permeability (UNI 1062)	V3 = low		
Water permeability (UNI 1062)	W3 = low		

PACKAGING INSTRUCTIONS	COLOURS AVAILABLE White, Grey, Red, Green, other on request.	PACKAGING 1 – 5 – 10 – 20 Kg
STORAGE INSTRUCTIONS	STORAGE TEMPERATURE MIN. 3° C - MAX 40° C	STABILITY IN THE ORIGINAL PACKAGE 12 months
SAFETY STANDARDS	Please read the safety data sheet carefully before using this product.	



 1381	 Zona Industriale C.I.A.F. – Castelferretti (AN) – 60015 www.casaligroup.it
14 1381-CPR-490 EN 1504-2 : 2004 Products used to protect concrete decks	
Acryrubber One-component synthetic resin based waterproofing liquid in water emulsion used to protect concrete against penetration; humidity control and improved resistivity	
Liquid water permeability	< 0.1 Kg/sq.m · h ^{0,5}
Permeability to carbon dioxide	sd > 50 m
Adhesion to standard traction	≥ 0.8 MPa
Permeability to water vapour	Class I
Crack bridging ability	Class A5
Freeze-thaw cycles with immersion in thawing salt	no alteration
Hazardous substances	See SDS
Class reaction to fire	B _{fl} – S ₁

