



PRODUCT	Acryroof Plus Fibro
MISSION	Fibre-reinforced synthetic resin based one-component waterproofing liquid, in water dispersion resistant to pooling
CHARACTERISTICS	<p>Acryroof Plus Fibro is a fibre-reinforced one-component liquid membrane in water emulsion that may be used without reinforcement. Thanks to its special formulation, Acryroof Plus Fibro is resistant to water pooling, making it the perfect choice for waterproofing showers, bathrooms and wet areas in general. The product may be also be used to waterproof small outdoor decks (< 30 sq.m.) such as balconies and terraces. When laid on terraces and balconies, the ceramic covering may be glued directly on the deck with a glue suitable for outdoor application (C2), without laying a concrete screed (Acryroof Plus Fibro is tested as under tile waterproofing in compliance with EN 14891: 2012).</p> <p>Wait at least two days after the last coating of Acryroof Plus Fibro, before laying the tiles. After curing the product becomes a seamless waterproof membrane, whose elastic behaviour follows the micro-movements caused by the thermal stress of the deck. When applying the product on perimeter and expansion joints or any other area subject to high stress, we strongly recommended using Acryfelt Band and/or CasaBand SA (elastic reinforcement bands).</p>
APPEARENCE	Viscous coloured liquid

CHARACTERISTICS OF THE LIQUID PRODUCT

CHARACTERISTICS	VALUE	TOLERANCE	U.M.
Specific Weight	1,33	± 0,1	Kg/dm ³
Dry mass residue	62,5	± 2	%

APPLICATION INSTRUCTIONS

TOOLS	THINNING	TYPE OF THINNER	TOOL CLEANING
Brush	Ready to use, 5% if applied directly on cement decks	Water	Water
Roller	Ready to use, 5% if applied directly on cement decks	Water	Water
Spray gun	Approx.10%	Water	Water

LAYING SURFACE	Clean the deck, removing all traces of dirt, grease and loose parts; smooth the laying surface if the surface is very rough. The deck should be perfectly dry and any residual moisture on the screed should be under 3%. If the moisture level is higher, vents or vapour barriers should be installed, according to the type of deck (please contact Casali's Technical Office for more information).
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CONSUMPTION	Total recommended coverage is about 1,5 kg/sqm applied in two or more coats.
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APPLICATION INSTRUCTIONS	<p>Application temperature range: MIN 10°C – MAX 40°C</p> <p>Ensure that the product has cured thoroughly before exposure to fog, rain or frost. Please contact Casali's Technical Office for any explanations you may require before using the product.</p> <p>Thinning for spray applications may vary according to the type of pump used; please test before using the product.</p>
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DRYING AT 23° C AND 50 % U.R.	<p>On surface: 30'</p> <p>To touch: 1 h</p> <p>Interval between coatings: 5 h</p> <p>The times indicated refer to standard laboratory conditions. Drying times are strongly affected by the weather; high temperatures and exposure to direct sunlight accelerate drying; shadow, low temperatures and high humidity delay drying. During winter it is advisable to lay the product in the middle of the day when it is warmer. Always ensure that the previous layer has cured perfectly before applying a new coating.</p>
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CHARACTERISTICS OF THE DRY PRODUCT			
CHARACTERISTICS	VALUE	TOLERANCE	U.M.
Breaking load	1,5	± 0,2	N/sq.mm
Elongation at break	220	± 50	%
Flexibility at low temperatures	-12	± 1	° C

PERFORMANCE IN ACCORDANCE WITH EN 14891		
CHARACTERISTICS	VALUE	U.M.
Adhesion strength	0.7	N/sq.mm
Adhesion strength after contact with water	0.5	N/sq.mm
Adhesion strength after thermal ageing	0.5	N/sq.mm
Adhesion strength after freeze-thaw cycles	0.5	N/sq.mm
Adhesion strength after contact with chlorinated water	0.7	N/sq.mm
Adhesion strength after contact with hard water	1.0	N/sq.mm
Determination of impermeability to water (increase in weight)	5.0	g

PACKAGING INSTRUCTIONS	COLOURS AVAILABLE Grey, white, red, green	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.	





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<p>14 1381-CPR-490 EN 1504-2 : 2004 Products used to protect concrete decks</p> <p>Acryroof Plus Fibro Fibre-reinforced one-component synthetic resin based waterproofing in water emulsion resistant to pooling used to protect concrete against the risk of penetration; humidity control and improved resistivity</p> <table><tr><td>Liquid water permeability</td><td>< 0.1 Kg/sq.m. · h^{0.5}</td></tr><tr><td>Permeability to carbon dioxide</td><td>sd > 50 m</td></tr><tr><td>Adhesion to standard traction</td><td>≥ 0.8 MPa</td></tr><tr><td>Permeability to water vapour</td><td>Class I</td></tr><tr><td>Crack bridging ability</td><td>Class A5</td></tr><tr><td>Freeze-thaw cycles with immersion in thawing salt</td><td>no alteration</td></tr><tr><td>Hazardous substances</td><td>See SDS</td></tr><tr><td>Class reaction to fire</td><td>B_{fl} – S₁</td></tr></table>		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
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