



PRODUCT	Acryroof Plus FR
MISSION	Waterproofing liquid resistant to pooling with flame retardant
CHARACTERISTICS	Acryroof Plus FR is a waterproofing liquid coating based on synthetic resin in water emulsion resistant to pooling and with flame retardant agents. The product is studied for specific application over old bituminous membranes (with Acrybase S primer) on roof that needs a fire resistance certificate for the assembly of photovoltaic systems, ecc. The flame retardant, in case of a fire principle, avoid the propagation of the flames also in windy conditions and protect the bituminous mat underneath, making sure that no other damages can inflict the structure. The product is been test according the EN 13501 – 5 (fire classification of construction products and building elements) obtaining a B_{roof-t2} certification. The test was done on a bituminous membrane (flammable) Dermaflex 40160 4 mm thickness. Acryroof Plus FR can be also applied on cement, concrete, wood, old liquid membranes, ecc. remembering always to use the specific primer for the different surface.
APPEARENCE	Viscous coloured liquid

CHARACTERISTICS OF THE LIQUID PRODUCT

CHARACTERISTICS	VALUE	TOLERANCE	U.M.
Specific Weight:	1,34	± 0,1	Kg/dm ³
Dry mass residue	62,4	± 2	%
Brookfield viscosity (with Brookfield viscometer rotor 5, speed 20)	13000	± 2000	Mpa.s

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	The bituminous membrane must be clean, free from oils, grease and in case of slated membranes all the chips not attached must be removed. In any case we recommend to apply Acrybase S (synthetic primer solvent based) before the application of Acryroof Plus FR. In case of different surface please contact the Technical Office of Casali S.p.A.. All the reparation operation must be done before laying Acryroof Plus FR.
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CONSUMPTION	The total recommended coverage is 1,3 kg/sqm (2 coats). If the product contains reinforcement, coverage is approximately 1,8-2 kg/sqm in 2 or more coats.
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APPLICATION INSTRUCTIONS	Application temperature range: MIN 8°C – MAX 40°C Ensure that the product has cured thoroughly before exposure to fog, rain or frost.
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	Please contact Casali's Technical Office for any explanations you may require before using the product. Thinning for spray applications may vary according to the type of pump used; please test before using the product.
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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 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.
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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	300	± 60	%
Flexibility at low temperatures	-12	± 1	° C
SRI according to ASTM E1980 (white version)	103,3		
Reaction fire class according EN 13501 – 1	B _{fl} – s ₁		
Reaction fire class according EN 13501 – 5	B _{roof} – t ₂		

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