



# ACRILET 198

Colored single component liquid rubber for applying exploited roof coating



**ACRILET 198 mastic** is a high quality polymeric compound for applying a colored coating for flat and inclined roofs (colored liquid rubber). The obtained coating is very durable (like linoleum), it is exploited and resistant to UV rays, low and high temperatures.

## Seamless mastic roofing is a relevant technology and an alternative to roll roofing

After liquid rubber technologies got available in the market, professional roofers would become more and more interested in technologies and materials for applying seamless mastic roofing.

To this day, we can see changing of opinions on traditional roofing application methods, especially on roll roofing maintenance, in favor of mastic roofing technologies.

Unlike the situation several years ago, modern construction industry requests coatings for flat roofs with best specifications and properties because roofing got more intensively operated by technical staff who serve air conditioners, cellular antennas, billboards etc. Being extensively used, especially in the summer when it's hot, black liquid rubber coating heats up and therefore becomes non-exploited.

## Acrilet 198 – a step forward in applying seamless exploited roofing



In 2008 IRECOM company developed colored roofing mastic in order to solve this problem.

ACRILET 198 is the most modern material for applying colored exploited mastic roofing. ACRILET 198 roofings have already been used for 5 years, so the advantage of them over any mastic roofing is confirmed: ACRILET 198 roofing is durable, resistant to UV and temperatures, effective at minimal thickness.



*Colored liquid rubber ACRILET 198 – ideal solution for roll roofing repair*

**ACRILET 198** is a roofing mastic made of unique polymers; it was designed on purpose for production the coating having all the required characteristics of ideal roofing: colored, evaporated, seamless, highly weather proof,

resistant to destruction under UV rays, frost-resistant, durable and elastic, and exploited.

ACRILET 198 is not a rubber paint-like material; it is a dense mastic which forms a coating with linoleum-like specifications: high-tensile, flexible, complete waterproofing and strong to abrasability. High adhesion allows to apply it on any surface such as cement or mineral surfaces, tiles, polymeric and bitumen surfaces, metal and many others.



*Protection of ACRILET 198 liquid rubber coating extends roofing service life.*

That is why ACRILET 198 approved itself as waterproofing for new roofs, roll roofings repair, frame and metal roofings, and sandwich panels.



*ACRILET 198 colored liquid rubber is for any roofing type*



*Sealing of frames and metal roofing seams*



Ideal for UV protection of liquid rubber roofing, enhances performance characteristics and viability



*Pathways on roofing made of liquid rubber for equipment maintenance*



*UV protection with polyurethane foam*

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**ACRILET 198 – WATERPROOFING POLYMERIC MASTIC FOR ROOFING****CERTIFICATE OF CONFORMITY №POCC RU AB87.H02080**

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**PRODUCT CONTENTS** Polymeric water-based compound (acrylic, co-polymeric methacrylic) with mineral filler and pigments.

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**CHARACTERISTICS** Single component mastic for applying a seamless elastic coating having membrane-like characteristics (vapor permeable and absolutely water permeable), resistant to UV rays, weather conditions, low temperatures, mechanical deformations and loads under moderate operation.

Due to excellent adhesion to all the construction materials it can be applied for repair of coatings made of bitumen and polymeric assembled membranes, bitumen and polyurethane bulk roofing, metal and slate inclined roofs.

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**APPLICATIONS** Waterproofing of flat roofs, balconies and terraces.

Repair of old bitumen roofings, roofings made of metal, slate or other materials.

Finishing protective coating for flat roofings made of bitumen

Finishing protective coating for heat insulation made of polyurethane foam

Finishing facing of facades made of masonry, cement and silicate blocks, plastered surfaces for moisture protection.

Moisture protection of internal walls of living and industrial buildings (food production), refrigerators, and freezing rooms.

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**PRODUCT APPEARANCE** Homogenous pigmented moderate viscosity paste with typical acrylic compound aroma. Colors: white, light grey, red, brick red, green, blue (or others according to RAL).

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<b>PRODUCT PHYSICAL PROPERTIES</b>	Appearance	Homogenous paste
	Specific gravity	1.3 kg/dm <sup>3</sup>
	Viscosity	22000 mPa*s
	Solids by content	75 +/-2%

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**APPLIED COATING PROPERTIES** Solidified coating forms a monolithic seamless rubber-like coating which being thoroughly dried gets such characteristics as high strength (like linoleum) and elasticity, mechanical deformation resistance, absolute water resistance. The product is not resistant to a short-time contact with oil products, gasoline and machine oil.

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<b>COATING PHYSICAL PROPERTIES</b>	Coating thickness	2 mm
	Hardness	Hard and flexible
	Strength	2,2 mPa
	Puncture resistance (kg 7)	68,7 N
	Tensile elongation	460%
	Form recovering	100%
	Adhesion to concrete	1,6 mPa
	Adhesion to steel	1,1 mPa
	Resistance to accelerated aging test	2000 hours
	Heat resistance (at t=120C)	No swelling or leakage
	Water absorption	3%
	Water permeability (0,001mП)	No signs of water intrusion

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**METHOD OF APPLICATION**

**ACRILET 198** is a single component product, which is ready to use. It is applied by spraying equipment or by hand with a brush or a paint roller. Can be diluted with pure water up to 5% vol. as viscosity control required. Application takes place at temperatures above +5C. Do not apply on open surfaces if there is a threat of rain.

Manual method:

For manual application it is recommended to pour the mastic onto the surface, spread with a trowel and smoothen with a long bristle-paint roller.

If necessary, apply an extra layer of **ACRILET 198** after the previous layer has thoroughly dried (no earlier than 24 hours later).

Mechanical method:

**ACRILET 198** can be applied by airless spraying with high pressure spraying equipment or air spraying with **DYNAMIX MP100 UNIVERSAL**-type equipment.

It is recommended to use **ARMOTEX** geotextile with the density of 60 gr/m<sup>2</sup> as reinforcing basis for cracked areas and areas exposed to heavy load.

**COATING DRYING TIME** (temperature 25C, relative humidity 55%)

Surface drying time (until it tacks) – up to 6 hours.

Deep drying – up to 24 hours.

Through drying – up to 3 days.

**APPLY RATE**

On flat roofs, terraces and balconies: 2.5-3.0 kg per sq.m.

For applying a reinforced roof coating: 1.5-2.0 kg per sq.m. depending on reinforced base density (geotextile).

On inclined roofings made of slate, metal, Oriented Strand Boards, and other polymeric coatings: 0.5-0.8 kg per sq.m.

As UV protection for bitumen and polyurethane foam coatings: 0.5-1.0 kg per sq.m.

As moisture protection for walls: 0.5 kg per sq.m. and more; as water protection for facades: 1.0 kg per sq.m. and more.

**SURFACE PREPARATION**

The product is applied on dry, clean, dirt and oil free base, with no coatings or inclusions which may deteriorate the adhesive ability of the product.

It is recommended to apply **ACRILET 130** emulsion on bases with high degree of porosity as a primer.

Metal bases should be mechanically cleaned, oil overlays should be removed, corrosive layer and paint coat with low adhesive should be free of dust.

Cement coverings and concrete surfaces should be clean and solid. It is recommended to apply geotextile with the density of no more than 100gr per sq.m. as a reinforcing material.

Стяжки или бетонные поверхности должны быть чистые и твердые. В месте шва и примыканий рекомендуется применять геотекстиль плотностью до 100 гр/м<sup>2</sup> в качестве армирующего материала.

It is recommended to use **ARMOTEX** geotextile with the density of 100 gr/m<sup>2</sup> as reinforcing basis for cracked areas and areas exposed to heavy load.

**SERVICE CONDITIONS**

When the application is thoroughly dried, it acquires resistance to mechanical load by people and becomes an exploited coating. This coating shows no signs of aging being exposed to temperature drops, chlorine, ozone and most chemicals resistance for at least 20 years.

**PRODUCT SIZES AND STORAGE CONDITIONS**

25 kg buckets

Storage temperature: from +10 C to +30 C.

Shelf life: 12 months in a closed container.

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Being used the product should be stored in a closed container.

**DO NOT ALLOW THE PRODUCT TO FREEZE!**

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**PRODUCT  
PREPARATION**

**ACRILET 198** is a product which is ready to use: it should be slowly stirred with an electric mixer.

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**INSTRUMENT  
CLEANING**

Due to high adhesion of **ACRILET 198** even to metals it is recommended to rinse the instruments with water before the product cures. As it cured it should be cleaned mechanically only or with a xylol-like solvent.

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**SAFETY  
INFORMATION AND  
HYGIENE**

**ACRILET 198** is water-based, non-toxic, contains no chemical solvents. In case of skin contact, the product doesn't cause skin burns or irritations. Use rubber gloves, special clothing and other kinds of personal protective equipment while using the product. The liquid product can be removed with water and soap, then skin should be treated with softening cream or oil.

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