

AcrylFlex 200 Nano Plus

A unique revolution in the world of paints using space research technology- NASA Nano Tech.

- Waterproof
- Sound and Heat retardant
- Energy Saving
- Anti-condensation & Anti-carbonation
- Environmental friendly

Product Description and catachrestic:

- Brand new renovation in the world of paintings with unique specs: waterproof, high elastic, heat proof, sound absorbent, anti-condensation, energy saving, and environmentally friendly.
- Consists of a high flexible acrylic emulsion with filler substance containing tiny balls with a vacuum inside acts as a barrier to heat and sound leakage.
- Treatment of hair cracks and surface pores at the same time without the need of extra surface paint putty.
- Suitable for nearly all interior and exterior surfaces as well as high exposed places to humidity and water.
- Protect concrete surfaces from carbonation, the penetration of chlorides that prevents the rusting of rebar.
- Ultra-resistant to thermal changes, and severe weather without cracks or separation.
- Not yellowing or changing color with harsh weather changes.

Advantages:

- High-quality water based polymer paint multifunction.
- Anti-condensation & Sound, Heat retardant.
- Used as an external paint for roof isolation from water, heat and sounds it provides a warm atmosphere in the winter and a comfortable atmosphere in the summer.
- Power saving up to 50% of air condition electric consumption.
- High level of resistance to water, humidity and harsh thermal changes.
- Easy to install using roll or brush or spray after dilute with drinking water and stir well.
- White base color, additional colors upon request.
- For best results usually used into 2 layers however you can add more layers for better water and heat resistance.
- Resistant to the formation of bacteria and fungi even with high humidity and water leakage.
- Does not contain any substances harmful to the environment or public health.
- Water based polymer paint, does not contain any organic solvents.
- Scratch and abrasion resistant and washable.
- Time saving, applicable over fresh render.

Fields of use:

- It is used to isolate roofs against water, heat and sound retardant, paint of walls and facades, over concrete, plaster, gypsum, lime, and all types of bricks.
- It can be applied over previously painted walls after cleaning surfaces from dust and impurities.
- Exceptional paint results for blocking outside summer high temperature while applied externally, on the other hand it gives incredible results if used internally to create a comfortable atmosphere in the summer, sound resistant and anti-condensation that caused by outdoor high temperature and humidity levels.

Technical Specs:

Color:	White base & colorful
Density (kg/liter):	1,2 ± 0.05
Alkalinity degree (PH):	8~9
Consumption rate:	200 GM/M ² Each layer for walls and facades 400 GM/M ² Each layer for roofs
Components:	Rubber polymeric materials with filler substance containing tiny balls with a vacuum inside act as heat & sound and water resistant.

Optical and Solar Properties*(1)

R%	A%	E%
94	5.4	0.5

SRI

HC	HC=5	HC=12	HC=30
SRI	109	110	111

*(1) - Independent test report available upon request.

- HC is the outdoor heat transfer coefficient [W/ (m².K)].

- SRI is the solar reflectance index.

Noise reduction & Sound Absorption Coefficient « α »*(2)

ASTMC-423

	Without paint	With Acrylflex 200 Nano Plus	Improvement
NRC (noise reduction coefficient)	$\alpha_o = 0.02$	$\alpha_o = 0.15$	750 %
SAA (the sound absorption average)	$\alpha_o = 0.02$	$\alpha_o = 0.12$	600 %

*(2) - Independent test report available upon request.

Directions for use:

- Acrylflex 200 Nano is easy to install using roll, brush and could be used as a spray specially with dilute by water while applying at walls & facades.
- For best results we recommend 2 layer, addition layers can be used.
- It can be applied over concrete or fresh render without the need to wait till dry.
- After production and during storage time of the product, the substance may appear to be thicker this is a positive feature. as it leads to continuity of homogeneity and avoiding sedimentation of some of its components. Enough to stir the product before use or add more water and mix it to get it back to its original density.

Warnings. Avoid eyes and skin contact, in case of expose immediately flush eyes/ skin with plenty of water.

Storage / Shelf life:

- During storage keep the product tightly closed at temperatures not exceeding 30 °C.
- Shelf life : 12 month
- When the package is opened and not fully used, it's recommended to keep the lid closed tightly using plastic wrap to protect from air/dry.

Packaging: 5 ~ 15 Kg.