

DESCRIPTION

PENETRON® LATEX is a ready-for-use styrene-butadiene latex, which is widely used as improver additive of cementitious mortars and coatings. It contains an anionic/nonionic emulsifier system and is free from film forming aids, solvents, plasticizers and ammonia. PENETRON® LATEX enhances adhesion, reduces absorbency and improves overall quality of construction, while ensures high stability against electrolytes.

RECOMMENDED FOR

- ▶ Admixture of mortars and coatings
- ▶ Construction, repairs and renovations
- ▶ Repair mortars (in thin layers)
- ▶ Coatings with excellent adhesion
- ▶ Screeds with abrasion resistance
- ▶ Bonding layers of old/new mortars, coatings and concrete

ADVANTAGES

- ▶ Improves workability, wet adhesion and plasticity of fresh mortars
- ▶ Has a strongly liquefying effect and reduces the water requirement at the same mortar consistency
- ▶ Improves mechanical properties, such as flexural strength, adhesive strength and abrasion resistance
- ▶ Improves chemical properties, such as water / chemical resistance and shrink/swell behaviour
- ▶ Resistance to freeze/thaw cycles
- ▶ Good resistance to saponification, by which long-term stability in the strongly alkaline region even under moist conditions is secured
- ▶ Has no corrosion promoting action on steel reinforcements and is film forming above 3 °C. Additions of film forming agents or plasticizers are not required

TECHNICAL CHARACTERISTICS

Characteristics	Test Result	Test Method
<i>Composition</i>	Aqueous dispersion of styrene-butadiene copolymer	
<i>Colour</i>	Milky white	
<i>Density</i>	63 lb/ft ³ (1,01 Kg/Lt)	
<i>Solid content</i>	48.5%	ISO 3251
<i>pH value</i>	8.0	ISO 976
<i>Viscosity</i>	30 mPas	ISO 3219
<i>Minimum film-forming temperature</i>	< 37 °F (3 °C)	
<i>Mean Particle Size</i>	0.15 µm	
<i>Glass transition temperature</i>	23 °F (-5 °C)	
<i>Surface tension</i>	30 mN/m	
<i>Tensile strength</i>	6 N/mm ²	
<i>Elongation at break</i>	1000%	

All data are average values obtained under laboratory conditions. Impractical use, temperature, humidity and absorption of the substrate may influence the above given values.

DIRECTIONS FOR USE

Application: PENETRON® LATEX is thoroughly mixed with mixing water, prior to its application in the mortar, using a mixing drill and a mixing wand. Indicatively, see the table below for mixing ratios of PENETRON® LATEX with water per application (see *Mixing ratios*).

CEMENT-BASED MORTAR PLASTICISER AND BONDING ENHANCER

Mixing ratios:

Mixing ratio	Application
1:1 with water	Spatter dash cementitious mortars
1:2 – 1:3 with water	Mortars
1:4 with water	Plaster

Typical mixing ratio of PENETRON® LATEX is about 5 – 10% by cement weight.

NOTE: Contact PENETRON ROMANIA for further information, regarding your project.

PACKAGING

PENETRON® LATEX is available in 11 lb (5 kg) and 44 lb (20 kg) containers, with volume tape and in 1000 kg tank.

STORAGE / SHELF LIFE

PENETRON® LATEX has shelf life of at least 12 months at 41°F – 86°F (5°C – 30°C), when stored in a dry enclosed area, away from direct solar radiation. Must not come in contact with metal unprotected from corrosion or non-ferrous metals, during storage.

SAFE HANDLING INFORMATION

Prolonged contact may be irritating to skin and eyes. If contact is made, flush areas with lots of water and seek medical advice. Protective gloves, mask and goggles should be worn. For further information please refer to Material Safety Data Sheet. **KEEP OUT OF REACH OF CHILDREN.**

WARRANTY – DISCLAIMER

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BEST IMPORT PRODUCTS PENETRON
 Departament Tehnic
 Tel: 0742 454 382 / 0368 734 003
 tehnic@penetron-romania.eu
 Adresa : Complex Duplex 2
 Str. Fundatura Harmanului, Brasov
 www.penetron-romania.eu