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Akrikan 114

Akrikan 114 – is APEO-free all-purpose styrene-acrylic dispersion with excellent film elasticity. It is a universal binder for interior and exterior paints, plasters and adhesives.

Chemical Nature

Aqueous dispersion of styrene / n-butyl acrylate copolymer.
Does not contain plasticizers or solvents.

Product Specification:

Solids content (ISO 1625, DIN 53189), %	50 ±1
Viscosity at 23°C (ISO 3219, DIN 53019), mPa*s	100 - 500
pH (ISO 1148, DIN 53785)	7,0 - 8,0

Other properties:

Density (ISO 8962 , DIN 53217), g/cm ³	1,04
Particle size, µm	0,13
MFFT (ISO 2115, DIN 53787), °C	5 - 7
Mixing stability (5 mins at 10000 rpm)	stable
Residual monomers content, %	< 0,05
Dispersion type	anionic

Properties of the film:

Tensile strength (GOST 270-75 sample III), MPa	2
Elongation at break (GOST 270-75 sample III), %	900
Water absorption (After 24 hours immersion), %	19

Application:

- Interior paints and coatings
- Flexible architectural coatings and adhesives
- Crack resistant sealants and plasters
- Nonwovens production

MFFT:

MFFT of Akrikan 114 can be decreased by use of coalescents in formulations for better film formation at temperatures below 5°C; these are Texanol, Dowanol DPNB. Akrikan 114 is not compatible with butyl-(di)-glycol acetate.

Safety:

The usual safety precautions when handling chemicals must be observed. These include thorough ventilation of the workplace, good skin care and wearing of protective goggles. Akrikan 114 does not exert any harmful effects provided it is used for the purpose for which it is intended and processed in accordance with current industrial practice. Akrikan 114 may contain technically unavoidable traces of volatile organic compounds. Akrikan 114 may irritate the skin and mucous membranes on prolonged contact with the product.

Storage:

Akrikan 114 has a shelf life of 6 months from delivery date if stored at temperatures between 5°C and 40°C in tightly closed original containers. Avoid freezing of the material!
As other dispersions, Akrikan 114 is sensitive to presence of Fe, Cu, Zn, Al. Avoid contacting with these metals or their alloys.