

## Technical Information

# Styrofan® ECO 7623

## Polymer Dispersions for Construction

### Chemical Nature

Styrofan® ECO 7623 is an anionic aqueous dispersion based on copolymer of styrene and butadiene. Styrofan® ECO 7623 is plasticizer & phthalates free, APEO free, formaldehyde and ammonia free product.

### Technical Data

<b>Solids content</b>	50 - 52 %
<b>pH value</b>	7.0 – 9.0
<b>Viscosity RVT, 23°C , sp1/20rpm</b>	50 - 300 mPa·s
<b>Density</b>	approx.1.04 g/cm <sup>3</sup>
<b>Tg</b>	Approx. 14°C
<b>MFFT</b>	Approx. 18°C

### Application Areas

Styrofan® ECO 7623 has a varied range of application to modify hydraulic binder system. Areas of application include

- Rigid and semi-flexible waterproofing slurries and mortar
- Flexible ceramic tile adhesive
- Repair mortars
- Bonding agent
- Leveling mortars
- Floor screeds and others

Styrofan® ECO 7623 offers low volatile organic compounds (VOC) solution for modifying hydraulic binders, especially cement mixtures.

It is employed in products that have to meet the highest standard of mechanical strengths.

Low water permeability and high water resistance property is observed in the finish products containing Styrofan® ECO 7623.

### Processing

Should defoamer be required in the formulation, Foamaster MO NXZ is strongly recommended. Typical application rates are within the range 0.3~1% in relation to the liquid component.

Superplasticizer like Meflux 2651 F is suggested to be added in amounts of 0.5~1% by weight to the dry component to have great workability.

To achieve proper rheology lower viscosity MC could be used in both power and liquid component.

Styrofan® ECO 7623 has a shelf life of six months at 10~30°C in tightly sealed containers. It is not resistant to low temperature stability. This product must not be allowed to come into contact with bare iron or copper and its alloys during storage.

It is strongly recommended to carry out your own trials when developing and processing products contains Styrofan® ECO 7623. This also includes testing the storage stability of customer's finish product.

BASF East Asia Regional Headquarters Limited  
 Dispersions & Resins Asia Pacific  
 45<sup>th</sup> Floor, Jardine House  
 No.1 Connaught Place,  
 Central, Hong Kong  
 Tel: + 852 2731 0111  
 Email: dispersions\_apac@basf.com  
 www.dispersions.asiapacific.basf.com

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