

## Product Description – Polymer Emulsions

### **KEMILINE<sup>®</sup> TPY 2022 021**

KEMILINE<sup>®</sup> TPY 2022 021 is pure acrylic and very fine sized binder. It has excellent water resistance, hydrophobic aqueous dispersion of a multiphase straight acrylic copolymer is a good adhesion with self-crosslinker promoter.

Field: Wood paints, stains and coatings

#### Properties

- Has very fine particle (nano)
- Broad Formulation Capability
- Excellent Water Resistance
- Excellent Blocking Resistance and good flexibility
- Very good wet adhesion
- High gloss and color retention
- Excellent film formation
- Suitable for low solvent and solvent-free paints
- APEO Free

Chemical nature: Pure Acrylic polymer emulsion

#### Technical Data

Appearance	: Slightly viscous, transparent liquid.
Solid content	: 44 – 46 % (1 g, 30 min at 150 °C)
pH value	: 7,0 – 9,0 (at 20 °C)
Viscosity	: max. 800 cps (B. Field, 3 / 100 at 20 °C)
*T <sub>g</sub> / *MFFT	: 2 °C / < 0° C
Packaging	:120 kg PE drums / 160 kg PE drums 1000 kg IBC containers
Shelf life	: 12 months at 5 - 35 °C.
Frost	: Store under frost-free conditions.
Safety	: No special precautions.

*(\*): These are typical properties of the emulsions and should not be considered as specifications. Certificates of the analysis (COA) are available upon request.*

Application: For coloring wood stains, transparent iron oxides are recommended. The amount for consumption of KEMILINE<sup>®</sup> TPY 2022 021 should not be less than 5% to ensure adequate protection of wood from UV radiation.

Information given in this document represents our latest knowledge and provides data on the physical properties and possible uses of Kemiteks products. Kemiteks does not assume any liability on the accuracy and completeness of the data given herein. Kemiteks does not give any warranty, expressed or implied, for the suitability of the products to any particular application. Kemiteks strongly recommends the customers to make their own trials in advance, to test the performance, acceptability and suitability of her delivered products on customer's particular applications under customer's prevailing conditions, before full scale industrial runs.

KY 72/TBD 73 xxx Rev.00 20.09.2022 1/2

**KEMITEKS Kimya San. ve Tic. A.S.**  
Omerli Mah. Gulce Sok. No: 80  
34555 Arnavutkoy – ISTANBUL / TURKEY  
Tel: +90 212 771 2828 Faks : +90 212 771 2837  
[info@kemiteks.com](mailto:info@kemiteks.com)  
[www.kemiteks.com](http://www.kemiteks.com)

## Product Description – Polymer Emulsions

### **KEMILINE® TPY 2022 021**

Important issues on storage and use of the product:

- Shelf life of the product is 12 months from the production date, printed on the label and indicated in certificates of analysis, as long as kept between 5-35 °C and away from direct sunlight and freezing conditions.
- Product needs to be kept in hygienic conditions to be away from microbiological attacks, although has certain biocides in the formulation. Addition of extra biocides may be required depending on the conditions of the site such as high storage temperatures, long storage durations and suspects of infection of the product during handling.
- Bulk storage tanks need to be inspected and cleaned up from time to time depending on the conditions.
- Metal parts suspected to corrode should not be allowed to come into direct contact with this product during storage and use.
- It is recommended to keep storage tanks, IBCs and drums tightly closed, avoiding loss of moisture and keeping the headspace saturated with water vapor to eliminate formation of films at top and keeping the product away from microbiological attacks.
- Packed material in IBCs and drums is recommended to be stirred prior to use.
- Product may tend to give lumps and skins due to its film forming nature. Straining through a coarse filter is recommended prior to use for this reason.
- Product should be handled in compliance with usual safety measures. Material safety data sheets should be examined, prior to use the product. Personal protective equipment such as gloves and goggles are recommended to be used when handling the product.

*Please contact our distributors, agents and sales representatives for further information and assistance.*

Information given in this document represents our latest knowledge and provides data on the physical properties and possible uses of Kemiteks products. Kemiteks does not assume any liability on the accuracy and completeness of the data given herein. Kemiteks does not give any warranty, expressed or implied, for the suitability of the products to any particular application. Kemiteks strongly recommends the customers to make their own trials in advance, to test the performance, acceptability and suitability of her delivered products on customer's particular applications under customer's prevailing conditions, before full scale industrial runs.

KY 72/TBD 73 xxx Rev.00 20.09.2022 2/2

**KEMITEKS Kimya San. ve Tic. A.S.**  
Omerli Mah. Gulce Sok. No: 80  
34555 Arnavutkoy – ISTANBUL / TURKEY  
Tel: +90 212 771 2828 Faks : +90 212 771 2837  
[info@kemiteks.com](mailto:info@kemiteks.com)  
[www.kemiteks.com](http://www.kemiteks.com)