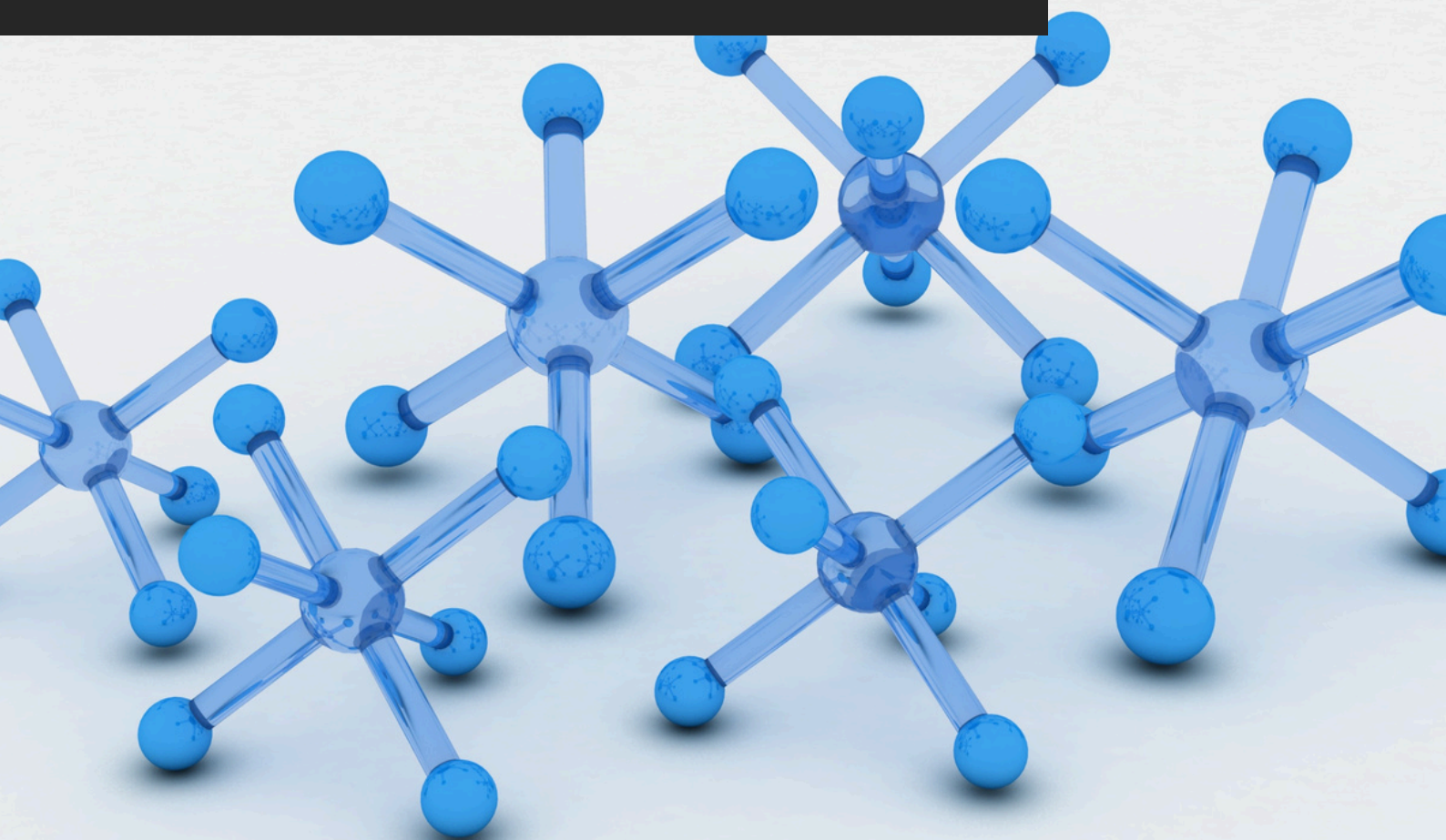


TDS_421

MULTI USER

TECHNICAL DATA SHEET
akteonpaints.com



Multi User_TDS_421_2025_v1.0_EN

Visit our website and learn
more about our products
akteonpaints.com

For further information:
contact@akteonpaints.com

Kifissias Ave. 44,
Amarousion
+30 210 440 2727

TECHNICAL DATA SHEET

MULTI USER

Acrylic based multi purpose coating

Main Features:

1. Water based acrylic binder system.
2. Single-component, ready-to-use product.
3. Good adhesion to wood, metal, concrete, and plastics.
4. UV and weather resistant.
5. Non-yellowing and color-stability over 94%.
6. High Elasticity
7. Easy recoating.
8. Flexible film resists cracking and peeling.
9. Easy to apply by brush, roller, or spray.
10. Low VOC and environmentally compliant.

Applications:

No primer needed for:

1. Wooden doors and furniture.
2. Metal railings and fences.
3. Masonry walls.
4. Roofing sheets and tiles.
5. Agricultural equipment.
6. Interior paneling and trims.
7. Storage tanks (above ground, mild exposure).
8. Crafts and decorative projects.
9. General maintenance coatings.
10. Galvanized surfaces.
11. Rope, tents & plastics

Technical Specifications & Typical Values

Binder Type	Acrylic
Colour	Available in bases: P, D & TR for tinting in any shade by using color-tinting machines and clear (varnish) state.
Diluent	Water
Density at 22°C (ISO 2811)	1.21 Kg/L
Solids %w/w	~ 58% *
VOC (2004/42/EC)	118 g/L – (A/i/SB) One-pack performance coatings - VOC compliant
Dry film thickness (2 coats) (ASTM D6132-13(2017))	152 ± 11 µm**
Elasticity (ASTM D2370)	500-600 % - Elongation at Break (%)
Elasticity (ASTM D2370)	3,96-5 MPa - Tensile Strength

*depending on the tinting base

**depending on surface absorption, tinting base & application method

TECHNICAL DATA SHEET

MULTI USER

Acrylic based multi purpose coating

Technical Specifications & Typical Values

Method	Paint brush, roller, spray gun or floor-coating spatula
Coverage per coat	8-10 sqm/L**
Recoatability	24 h
Shelf life	12-24 months
Touch Dry Time at 22°C	20-30 min
Dry Through Time at 22°C	24 h
Ambient air temperature	min. +10°C / max. +40°C
Relative air humidity	55-60 % max.
Curing time	Note: Times are approximate and will be affected by changing ambient and substrate conditions, particularly temperature and relative humidity.
Foot traffic	24 h
Light mechanical loading	3-5 days
Fully serviceable	12-15 days **** (Finished polymerization process)

*Depending on the tinting base

**Depending on surface absorption, tinting base & application method

***Drying times are temperature, humidity, and film thickness dependent

****For the purposes of this technical data sheet, "foot traffic" refers exclusively to light foot traffic, meaning stepping or walking without dragging, rolling, or moving heavy objects. This does not include activities that may exert excessive pressure or cause mechanical damage to the coating during its polymerization process of 7-12 days. To prevent potential damage, avoid placing or moving furniture, equipment, or other heavy items on the surface until the coating has fully cured as specified in the curing guidelines.

TECHNICAL DATA SHEET

MULTI USER

Acrylic based multi purpose coating

MULTI USER preparation:

Substrate quality & preparation:

1. The substrate must be cured, solid, clean, dry and free of all contaminants such as dust, dirt, oil, grease, surface treatments, etc.
2. Surface defects such as cracks, blow holes, and voids must be fully exposed and repaired.
3. Uneven substrate should be leveled to produce a roughened flat surface.

MULTI USER preparation:

- 1) For each layer, dilute with water by 10%.
- 2) For spray gun use, dilute with water by 20%.

Important application remarks:

1. Untreated substrate defects could lead to reflective coating defects and reduced performance.
2. Tool cleaning right after use with soap and water, always following the local HSE rules.

Packaging:

Metal can of **0.75-L / 2.5-L / 10-L**

Storage:

Shelf life: 12-24 months from the date of production, in original unopened packaging in a cool and dry condition between +5°C and +35°C. Protect from direct sunlight, heat, temperature extremes, and moisture. Failure to comply with the recommended storage conditions may result in premature deterioration of the product packaging and which may cause inconsistent workability, finish and cure times of the material.

Health, Safety & Environment:

Read the product label carefully before use. The Technical Data Sheet should be read in conjunction with the Safety Data Sheet.

TECHNICAL DATA SHEET

MULTI USER

Acrylic based multi purpose coating

Paint System

Contact Akteon Paints for case-by-case recommendations at: contact@akteonpaints.com or visit www.akteonpaints.com

Disclaimer: The information contained in this publication is based on our scientific knowledge, laboratory studies and long-term experience. Therefore, the information provided must be considered indicative and subject to constant review in relation to the circumstances and each practical application. This information is for use by technically skilled persons at their own discretion and risk. The user alone has the responsibility to ensure that existing laws and legislation are observed when using the products.