



ULTRA-CLEAR POLYASPARTIC COATING FOR SURFACE FINISH

M-608



Ultra-Clear Polyaspartic Coating for Surface Finish

M-608

YUXI's M-608 solvent based polyaspartic coating is a non-yellowing, heavy-duty topcoat designed for application over wooden flooring, cement based overlayment or non-skid surfaces requiring a high sheen clear finish. This specially formulated polyaspartic coating cures fast to achieve a transparent protective covering subject to light to medium loads. It provides superior protection through its excellent resistance to stains, chemicals and damaging UV rays.

ADVANTAGES

- Environmental friendliness: high solids, lower volatile organic compounds (VOCs)
- High gloss, non-yellowing
- Superior weather resistance and UV stability: withstand harsh conditions, including UV exposure, moisture and temperature fluctuations, without compromising their performance
- High-performance water insulation capability: seal against the penetration of the moisture and water
- Outstanding chemical and stain resistance: form a robust protective layer that resists to oil, grease and strong detergents
- Good abrasion and scratches resistance
- Fast application and quick curing
- Low maintenance, easy to clean
- Exceptional durability and longevity

FIELD OF USE

YUXI's polyaspartic coating can be successfully applied on the substrates in the following:

- Cementitious substrates, such as concrete surface, cement board, mortar, etc.
- Plaster structure, such as gypsum board or similar surface
- High porous substrates, such as brick, marble and natural stones
- Non-porous substrates, such as ceramic tiles or other masonry structure
- Wooden surfaces, such as parquet floor or otherwise
- Cement-bound substrate coated with primer and epoxy

* For application to other substrates or scopes of use, please contact our technician for further information.



Ultra-Clear Polyaspartic Coating for Surface Finish

M-608

PRACTICAL APPLICATION

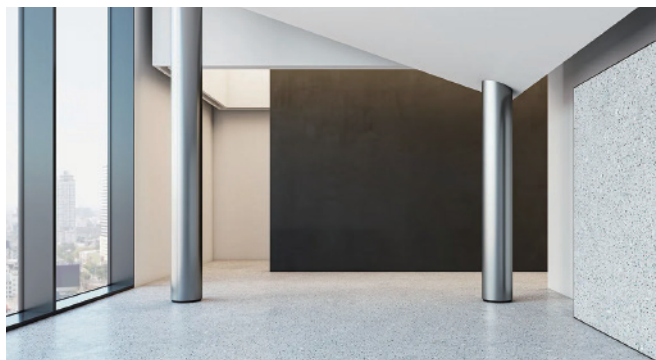
Our clear polyaspartic coating is highly versatile for use in both indoor and outdoor applications. It is ideally suited for residential spaces, institutional facilities, high-end commercial environments, retail settings or any areas where stain resistance and cleanability are important.



Topcoat for wooden floor requiring a hard-wearing finish



Protective finish applied directly to tiles ensuring visually appealing for extended periods



Topcoat over epoxy flake flooring to seal decorative flecks and chips



Basecoat for broadcast flooring to seal quartz and silica sand for slip reduction



Ultra-Clear Polyaspartic Coating for Surface Finish

M-608

TECHNICAL CHARACTERISTICS

■ Component Properties

	Component A	Component B
Type	Base	Hardener
Composition	Isocyanate Trimer	Polyaspartic Ester Resin
Consistency	Liquid	Fluid
Color	Yellowish	Colorless

* Other RAL colors are available on request.



■ Physical Properties

The parameters are given under specific test conditions in accordance with the requirements specified in the T/CWA 204-2021 standards

Technical Measurement	Performance
Tensile Strength	12.4 MPa
Elongation at Break	320%
Tear Strength	58 N/mm
Hardness (Shore A)	75
Abrasion Resistance (Taber Test)	20 mg (750g load/500r)
Impact Resistance	1 kg·m
Flexibility	No Cracking (@-35°C)
Water Absorption	1.4
Water Permeability	Impermeable (0.3 MPa, 2 hrs.)
Coefficient of Thermal Expansion (CTE)	0.3
Flammability Class	B2
Bond Strength	3 MPa
Exposure to Artificial Atmospheric Agents	No Swelling, No Chalking

■ Chemical Properties

The results are performed under lab controllable conditions. These values may vary based on the application, climatology, or substrate conditions.

Technical Measurement	Performance
A/B Ratio (by weight)	1:1
Solids Content	70%
VOC Content	<2 g/L
Theoretical Coverage	0.15 kg/m ² (at 100 µm dry film thick)
Dry Film Thickness (DFT)*	60 ~ 100 µm
Pot Life	30 minutes (25°C, RH 55%)
Tack-free Time	2 hours
Dry-through Time	24 hours
Overcoat Intervals	2 ~ 48 hours

*Actual required DFT may vary in certain applications, please contact us for technical clarification.



Ultra-Clear Polyaspartic Coating for Surface Finish

M-608

■ Chemical Resistance

The results are performed under lab controllable conditions. These values may vary based on the application, climatology, or substrate conditions.

Chemical Substance	Concentration	Contact Time	Rusting	Blistering	Flaking
Sulphuric Acid (H ₂ SO ₄)	5%	168 h	No	No	No
Sodium Hydroxide (NaOH)	5%	168 h	No	No	No
Salt Spray (NaCl)	50 g/L	1440 h	No	No	No
Moisture	/	14 d	No	No	No

Notice: The technical data contained herein are true and accurate to the best of our knowledge. Published technical data are subject to change without prior notice. Test report issued by the third-party accredited laboratory is available upon request.

APPLICATION INSTRUCTIONS

■ Surface Preparation

All surfaces should be prepared accordingly depending on the type of substrate, for example by brushing, rubbing, sand blasting, shot blasting, scarifying, bush hammering. For optimum adhesion, the substrate must be sound, dry and clean. Remove all loose materials and contaminants, such as dirt, dust, debris, rust, grease, oil, wax, etc. Substrate temperature during application should be at least 3°C (5°F) above dew point.

■ Priming

The substrate must be treated with suitable prime. If needed, mid coat can be applied.

■ Mixing

Thoroughly premix component B prior to use. Then mix component A with the component B in the indicated mixing ratio till homogenous mixture is obtained. The material may be diluted with specified solvent as directed.

■ Equipment

Our polyaspartic coating can be applied by brush, roller, air sprayer, and airless sprayer. All tools should be cleaned immediately after use.



Ultra-Clear Polyaspartic Coating for Surface Finish

M-608

STORAGE

Store the product in a dry, ventilated, covered area at temperatures between 5°C and 35°C. Protect from heat, frost and direct sunlight. The shelf life is 12 months from the date of production under suitable storage conditions in its original sealed packing. Once open, use it immediately. Opened containers can be resealed, but the material shelf life will ultimately shorten.

SAFETY PRECAUTIONS

Carefully read and follow all instructions on the safe handling and disposal of chemical products.

- **Warning:** This product contains organic solvent, which may cause skin irritation and inhalation can be toxic. Avoid contact with eyes and skin.
- **Eye protection:** Wear safety goggles to prevent splashing and exposure to particles in the air. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **Skin protection:** Wear suitable protective clothing and gloves. In case of skin contact, wash with thoroughly soap and plenty of water. Get medical attention if irritation develops or persists.
- **Respiratory protection:** Adequate ventilation of the working area is recommended. When spraying, use an air-purifying respirator to protect the respiratory tract.
- **Fire prevention:** This product is flammable. In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.
- **Waste disposal:** The product is hazardous for aquatic life, do not dispose of the product down the drain. Follow and observe any applicable local or national laws and regulations.

For further and complete information about the safe use of our product, please refer to the latest version of our Material Safety Data Sheet (MSDS).





E-mail: info@yuxi-anode.com Tel: +86 (574) 83882233
5/F, Building 4, 1819 Yongmao East Road, Ningbo 315201, China

www.yuxi-anode.com



Go to Our Web



Follow Us on LinkedIn