

VersEseal Non Porous Substrate Primer

VersEseal Non-Porous Primer is a sprayable and brushable primer specifically designed for use on glazed tiles, plastics, glass, and other non-porous surfaces where extra adhesion is required.

LRM Products' VersEseal Non-Porous Primer is a fluid-applied, water-borne dispersion of a styrene-acrylic copolymer. It is free of VOCs, plasticisers, solvents, ammonia, and alkylphenol ethoxylated surfactants. This primer boasts excellent dry and wet adhesion on various substrates and minimal water impregnation, ensuring it does not turn water white. It also provides good resistance to UV radiation and thermal stress, along with very good aging resistance.

VersEseal Non-Porous Primer is used to prime non-porous substrates after cleaning to enhance the adhesion of subsequent coatings. It can be applied to glossy tiles, glazed tiles, plastics, glass, and other non-porous substrates. This primer is typically used in internal wet areas, decks, and balconies.

VersEseal Non-Porous Primer demonstrates excellent film-forming and binding properties, along with great water and alkali resistance. It is suitable for use with flat paints and high PVC formulations both indoors and outdoors. Its excellent adhesion properties over non-porous substrates make it ideal for use with paints requiring certain elasticity to absorb construction expansions and minor cracks.

VersEseal Non-Porous Primer has a very low degree of water absorption, making it suitable for use when waterproofing roofs and terraces where stagnant water is present.

APPLICATION

VersEseal Non-Porous Primer is a single-component product that can be applied using a brush, roller, or airless spray equipment. Prior to application, ensure the surface is dry, clean, and free from dust, oil, grease, paint, and all loose materials. Shake well before use. Apply the primer between 10°C and 35°C, and do not apply if rain is expected within 4 hours. Apply VersEseal Non-Porous Primer undiluted at a rate of 100g/m² or 10m² per litre, depending on the texture and porosity of the substrate. Store indoors and out of direct sunlight, and do not allow it to freeze.

LIMITATIONS

VersEseal Non-Porous Primer should not be applied when the relative humidity is above 85% or when the temperature is within 3°C of the dew point. Avoid application if the surface temperature is greater than 35°C or below 10°C, or if it is likely to fall below 10°C during the application or drying period. Ensure that the surface is clean and dry, free from contamination such as dirt, debris, oil, or grease. The uncured coating may be damaged if frozen and should not be applied to wet or frozen surfaces. The substrate must contain less than 10% moisture. Do not apply if rain is expected within 4 hours of application. Please consult technical services with any questions.

CAUTION

Keep out of reach of children. Avoid storage below 5°C or above 40°C. Preserve VersEseal Non-Porous Primer in its original containers, out of direct sunlight, and protected from freezing and heat sources. Ensure containers are hermetically sealed to prevent the formation of a superficial film due to water evaporation. Under these conditions, the product maintains its properties for approximately six months.

VersEseal Non-Porous Primer is a non-flammable liquid and does not present storage or transport hazards. It is not classified as toxic, dangerous, or flammable under normal handling conditions and does not contain hazardous components. Use with standard safety precautions such as gloves, eye protection, and appropriate clothing. Please read the full Safety Data Sheet for the product prior to use.

TECHNICAL SERVICE

Physical Properties (Liquid)

| Property | Typical Results |
|--|----------------------|
| Colour | Milky White |
| Specific gravity (liquid) at 20°C g/cm ³ | 1.00 - 1.05 |
| Average Particle Size (µm) | 0.14 approx. |
| Volatile Organic Compound | Contains no solvents |
| Solids Content (%) | 50 ± 1 |
| Viscosity, Brookfield RVT at 23°C (sp.3/20 rpm, mPa s) | 1,000 - 3,500 |
| pH | 7.5 - 9 |
| Minimum Film Forming Temperature (MFFT) (°C) | 0 |
| Glass Transition Temperature (Tg) (°C) | -3 |
| Stabilising System | Anionic |
| Freeze-Thaw Stability | Good |

Performance Data (Cured)

| Property | Typical Results |
|----------------------|---|
| Film Appearance | Soft, Clear |
| Mechanical Stability | Excellent |
| Elongation | >300% |
| Chemical resistance | Resists salt water and many organic and inorganic solutions not recommended for gasoline or other petroleum products. |

DISCLAIMER

This Product Data Sheet (PDS) provides a concise summary of our most up-to-date knowledge about the product, encompassing instructions for usage and application. It is essential to thoroughly review this PDS and consider the information within the context of the intended product application, including its compatibility with other products and the specific surfaces it will be used on, as well as the method of application. Please be aware that our responsibility for products sold is governed by our standard terms and conditions of sale. LRM Products cannot be held liable, whether directly or indirectly, for any losses incurred in connection with the utilisation or application of the product, regardless of compliance with any advice, specifications, recommendations, or information provided by us.



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