



BONDING LIQUID

Economical Bonding Liquid

TECHNICAL DATA SHEET

Product Type: Water-based acrylic bonding liquid
Appearance: Milky white liquid
Application: Ready-to-use bonding and priming agent

Product Description:

ImvulaSeal Bonding Liquid is a versatile, water-based acrylic emulsion designed to improve adhesion between surfaces and subsequent coatings or screeds. It enhances bonding strength, reduces surface porosity, and improves the durability of cement-based applications.

Ideal for use in both new construction and repair work, this product provides a reliable and cost-effective solution for priming, sealing, and bonding a wide range of substrates.

Key Features & Benefits

- Improves adhesion to a variety of substrates
- Reduces porosity and surface dusting
- Enhances strength and durability of cement mixes
- Multi-purpose use: primer, sealer, and bonding agent
- Easy to apply and dilute as required
- Suitable for interior and exterior applications
- Compatible with cementitious systems

Typical Properties:

Property	Value
Appearance	Milky white liquid
Density (@ 25°C)	~1.00 – 1.05 g/cm ³
Ph	~7 - 9
Viscosity	Low to Medium
Flash Point	Not applicable (water-based)
Shelf Life	12 months (unopened, cool storage)

Recommended Uses:

InvulaSeal Bonding Liquid is suitable for:

- Priming porous surfaces before painting or plastering
- Improving adhesion of new plaster to existing surfaces
- Bonding agent for screeds and patching compounds
- Dust sealing of friable surfaces
- Mixing with cement for improved bonding and flexibility
- Use on concrete, plaster, brickwork, and masonry

Surface Preparation:

For best performance:

- Ensure surfaces are clean, dry, and structurally sound
- Remove dust, grease, oil, and loose particles
- Eliminate flaking or unstable material
- Repair cracks and damaged areas prior to application

Application Instructions

As a Primer / Sealer:

- Dilute with clean water (typically 1:1 depending on porosity)
- Apply evenly using brush, roller, or spray
- Allow to dry before applying topcoat or plaster

As a Bonding Agent (Cement Mix):

- Mix bonding liquid with water before adding to cement
- Typical ratio: 1 part bonding liquid to 2–4 parts water
- Add mixture to cement/sand blend and mix thoroughly
- Apply while mix is still workable

As a Slurry Bond Coat:

- Mix bonding liquid with cement to form a slurry
- Apply slurry to surface immediately before screed or plaster
- Do not allow slurry to dry before overcoating

Clean tools with water immediately after use.

Drying & Curing Times

(At 25°C and 65% relative humidity)

- Touch Dry: 30 Minutes – 1 hour

- Recoat Time: 2– 6 hours
- Full Cure: 24 hours

Note: Drying times may vary depending on environmental conditions such as temperature and humidity.

Coverage

- Coverage will depend on surface porosity and texture
- Typical: $\pm 5\text{--}8\text{ m}^2$ per litre per coat (estimate)

Precautions:

- Do not apply to wet or saturated surfaces
- Avoid application in extreme temperatures ($<5^\circ\text{C}$ or $>35^\circ\text{C}$)
- Do not allow product to freeze
- Ensure adequate ventilation during use
- Wear gloves and eye protection
- Avoid contact with skin and eyes

Packaging & Storage:

Packaging Sizes	Commonly 5L, and 25L containers
Storage Conditions	Store in cool, dry place above 5°C Keep container tightly sealed when not in use
Shelf Life	12 months (unopened)

Manufactured by:

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