

# DESCOGLAZE™ - I

## EPOXY/POLYESTER WALL COATING

### Technical Data Sheet

**DESCRIPTION:**

DESCOGLAZE™-I is a two-component, pigmented coating that combines the toughness, chemical resistance and adhesion of an epoxy, with the color retention and economy of a polyester. The combination of technologies yields a flexible, high quality, durable, and decorative coating for interior surfaces. It is especially beneficial where long lasting, glazed finishes for walls and ceilings are desired. DESCOGLAZE™-I is available in 21 standard colors with custom color matching available upon request.

**ADVANTAGES:**

- Excellent chemical & stain resistance
- Good scratch resistance
- Easy to maintain
- May be applied over latex or flat oil-based paints, if paint film adhesion is satisfactory
- Conforms to U.S. Federal Specification TTC 550C

**TYPICAL USES:**

- Finish coat for the DESCOGLAS™ system
- Institutional, industrial & commercial buildings
- Interior walls, ceilings & columns
- New or existing buildings
- Food industry
- Manufacturing plants, water & wastewater treatment plants
- Hospitals, semi-conductor & similar clean spaces

**SYSTEM SPECIFICATION:**

DESCOGLAZE™-I as manufactured by Valspar shall consist of two coats of DESCOGLAZE™-I Resin and DESCOGLAZE™ Hardener.

**LIMITATIONS:**

- This product is not designed for exterior use or immersion.
- Technical Data Sheets are updated periodically. To ensure the most current version is being used, visit Technical Resources on [www.valsparflooring.com](http://www.valsparflooring.com).
- Proper material application is the sole responsibility of the user. Site visits by Valspar personnel are for making technical recommendations only and not for supervising or providing quality control.

**TYPICAL PHYSICAL PROPERTIES:**

<u>TYPE TEST</u>	<u>TEST METHOD</u>	<u>TYPICAL VALUE</u>
Scrubability	Gardner Scrubability Machine	No effect (1000 cycles) Gloss before – 86 Gloss after - 85
Water Vapor Transmission	ASTM E-96	<1 perm
Color Retention	ASTM E-188	No fading, loss of gloss or effect on film after 100 hours
Fire Resistance	ASTM E-84	Flame Spread Index: 7  Smoke Development: 5  Class “1” or “A” Rating
Hardness	Sward Hardness	35
Tabor Abrasion	ASTM D-4060	0.025g loss after 14 day cure

- Wood substrate not recommended due to dimensional instability.
- Concrete should not exceed 3% moisture content by mass (ASTM D-183-76).
- Previously painted surfaces are subject to inspection and approval.
- Store material in a cool, dry area (55-90°F) away from direct sunlight, flame or other hazards.
- Do not apply over honeycombed or structurally unsound surfaces.
- Before applying for protection against specific chemical environments, consult Chemical Resistance Guide or Valspar Technical Service.
- If the product is to be applied in or near areas containing foodstuffs, they should be removed before the application and until the coating has fully cured and all vapors have dissipated.
- Do not thin these products. Addition of thinners will slow the cure and reduce the ultimate properties of the products. Critical recoat times will also be affected.

**SURFACE PREPARATION:**

- Check moisture by ASTM D-4263. This method is done by taping (2 inch duct tape) a 4 mil clear plastic sheet to the surface. The sheet can remain on the surface for 16-24 hours. After this duration, the plastic sheet should be removed and the underside checked for moisture. If condensation appears on the under side of the film or the concrete becomes visibly damp, the concrete is not dry enough to place the wall system.
- All substrates must be sound, clean, dry and free from all contaminants and form release agents.
- Surface should be checked for soundness and any “hollow” areas should be removed. All depressions or spalled areas and cracks should be prefilled.
- Concrete should have laitance removed by sanding, wire brushing and/or grinding.
- Surfaces should be thoroughly vacuumed to remove surface dirt and dust.
- Surface and air temperature must be a minimum of 55°F during installation and cure.
- Provide sufficient air movement to prevent condensation on surface during installation.

**APPLICATION INFORMATION:**

Material	Mix Ratio	Theoretical Coverage
Primer	Block Filler or Drywall Primer	As recommended
DESCOGLAZE™	1:1	266-400 sq.ft./gal
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**Priming:**

- After suitable preparation has been completed, mask all surfaces that require protection. If cove base is present, mask appropriately. Make certain all areas are covered that could be damaged by overspray.
- For concrete block, brick, etc.: apply a foundation coat of block filler per manufacturers recommendations and allow to dry.
- For drywall or gypsum sheetrock: apply commercial drywall sealer per manufacturers recommendations and allow sealer to dry.

**Body Coats:**

- Mix the DESCOGLAZE™-I Resin and DESCOGLAZE™ Hardener independently using a variable speed drill and Jiffy mixer. Mix for two minutes or until uniform, exercising caution not to introduce air into the material.
- Blend together, equal parts of DESCOGLAZE™-I Resin and DESCOGLAZE™ Hardener by volume and mix thoroughly.
- **Pot life will be approximately four hours at 70°F.**
- For spray application, run passes from floor to ceiling.
- For roller application, use 1/2”-3/4” nap roller.
- Apply one coat of DESCOGLAZE™ at 266-400 sq.ft./gal.
- Allow to cure 2 hours at 70°F. Lower temperatures will require slightly longer cure time between coats.
- Apply second coat at 266-400 sq.ft./gal to obtain uniform hiding of substrate.

**CURE TIME:**

At a cure temperature of 70°F, DESCOGLAZE™ will cure to touch overnight. Full cure and specified chemical resistance require 14 days at 70°F.

**CLEAN UP:**

Tools should be cleaned right away with solvents such Xylene or UR-9 MCU THINNER. Any cured or hard material can be removed with the use of PC-46 DRY EZE.

REFER TO MATERIAL SAFETY DATA SHEET FOR FURTHER SAFETY AND HANDLING INFORMATION.

**See individual labels for more caution statements.  
KEEP OUT OF THE REACH OF CHILDREN.**

**DISPOSAL:**

Dispose in accordance with federal, state, and local regulations. Use licensed hazardous waste company. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned.

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