



# DeBOND / AiA

## From the Makers of InnerCrete™ Membrane Technology

### INDUSTRIAL PAINT & COATING REMOVER including LEAD-BASED and ASBESTOS-BASED PAINTS

#### PRODUCT DESCRIPTION

DeBOND / AiA are water-based, fully biodegradable industrial paint, coating, powder coating removers and lead and asbestos based paint removers. Their advanced formulation uses bond-breaking, encapsulation technology that makes it effective in the removal of multiple layers of paint and heavy-duty coatings. When used to remove lead-based paints, the lead particles remain “encapsulated” in the solid waste material for easy collection and disposal.

AiA is a stronger, faster acting product designed for very heavy industrial coating removal or for projects with limited time / access restrictions.

DeBOND / AiA is easily sprayed on large areas or brushed on small surfaces meaning that projects of any size can be completed quickly and efficiently. The innovative formulas allow for extended dwell times without flashing off, drying out\* or needing any plastic wrapping\* to remain reactive (\*when proper application procedures are followed). With adequate dwell time and temperature, the paint/coating detaches from the underlying substrate and is easily washed or scraped away. Surface is neutralized with water. Waste stream is minimized and easily collected.

DeBOND / AiA eliminates the need for abrasive/blast removal or caustic chemicals. The low odor formulas make it the best choice for indoor / outdoor and horizontal / vertical applications.

The advanced formulas make both effective for removal use off of most substrates including; metals, concrete, cement products, stone, wood and many other surfaces. Always test substrate suitability before use.

#### FOR THE REMOVAL OF MOST:

- Shop Primers
- Most Powder Coatings
- Alkyd Paints
- Acrylic Latex Paints
- Thin Film Epoxies
- Polyureas
- Polyurethane Finishes
- Lead-based Paints
- Asbestos-based Paints
- Coal Tar Epoxies

**ADVANTAGES:**

- ✓ Spray-on application for large removal areas – will not flash off or dry out
- ✓ Effective in the removal of industrial paints and coatings
- ✓ Safer alternative when removing lead and asbestos-based paints
- ✓ Encapsulates lead and asbestos paint particles – minimizes contaminated waste
- ✓ Removes multiple layers with each application
- ✓ Water-based and biodegradable - Flash point 240°F (116°C)
- ✓ Contains NO methylene chloride, caustics or NMP
- ✓ Low odor
- ✓ White in color to assist with coverage during application

**COVERAGE**

Spray On Application - 80-100ft<sup>2</sup> / 1US gallon (approximately)

Brush On Application - 80ft<sup>2</sup> / 1US gallon (approximately)

DeBOND / AiA is ready to use. DO NOT DILUTE. DO NOT ATOMIZE when spraying.  
Do not allow product to freeze.

**SURFACE PREPARATION**

The surface must be clean and dry. Remove all pooled water, oils, grease, dirt, residues and any other loose foreign materials prior to application. Before applying, ensure all areas not to be treated are protected from overspray and drips.

ALWAYS TEST A SMALL AREA FIRST TO DETERMINE SUBSTRATE SUITABILITY AND DWELL TIME.

**SITE CONDITIONS**

DeBOND / AiA are water-based products and should be used in temperatures between 5°C-32°C (40°F – 90°F). Warmer temperatures increase efficacy. Good ventilation should be provided in confined spaces.

Protect treated areas from rain, water, traffic and other interference during dwell time.

**DWELL TIME**

Always perform a test patch to determine adequate dwell time. Dwell time will vary based on temperature and type material being removed.

Allow sufficient dwell time for best results; 1 hour to overnight. DO NOT agitate or interfere with the surface once the product has been applied.

Extended dwell times (up to 24 hours) may be required for heavy duty coatings and epoxies, scarifying the surface will assist in product penetration and activation. To remove multiple layers leave to dwell, remove the lifted layers by scraping and reapply DeBOND / AiA where needed. Wash / pressure wash only as a final step as this will neutralize the product.

## APPLICATION

DeBOND / AiA is applied at full strength using an airless sprayer for large surface areas. Ensure complete and liberal coverage. The underlying paint should not be visible. For small areas or for touch ups, application by synthetic brush is also possible – ensure liberal and complete coverage of underlying paint

(An Electric Paint Sprayer is recommended). Use a fan tip nozzle that sprays an approximately 7 inch fan pattern. **DO NOT ATOMIZE.**



When left overnight, protect the product against interference. DO NOT ALLOW PRODUCT TO DRY OUT, if this occurs, reapply product. **Product is ready for removal once the paint/coating easily “lifts” from the substrate.** When possible, scraping off excess product and lifted paint first will best contain the waste. Pressure washing as a final step will remove any remaining residues and neutralize the surface. Ensure proper containment of removed materials.

Areas with significant buildup may require a second application of DeBOND / AiA. This should be determined with a test patch.

When a second application of DeBOND / AiA is required, the first application should be scraped well to remove initial lifted layers and product. After scraping, do not introduce water as this will cause any remaining paint to reattach to the surface. Instead, a second application of DeBOND / AiA should be applied directly on the surface. Follow same procedure as above; scrape off lifted paint layers / product and as the FINAL step, pressure wash or wash the remaining residues away and neutralize the substrate.

## REMOVAL

DeBOND / AiA is ready for removal once the paint/coating easily lifts from the substrate. Removal by scraping recommended and is effective for non-porous and small surfaces or where multiple applications are needed due to multi-layers of paint. Removal by pressure washing is effective for large areas - always ensure proper containment.

Water neutralizes the Product. When removing by scraping methods, it is recommended that the surface is washed / wiped with water before going back into service to neutralize and remove residues completely.

## HANDLING & DISPOSAL

Product and wash water are fully biodegradable and can be washed away according to local regulations. Collect all solid waste and dispose of according to local waste regulations. Always check and comply with local regulations prior to disposing of any wash water or by-product.

When removing lead or asbestos-containing materials always comply with local regulations and use extra caution in removal and disposal.

**DeBOND and any removed materials should not be stored, transferred or transported in metal containers.** Use standard chemical handling safety and precautions.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

As when working with any chemical, personal protective equipment is needed. Protect your face and exposed skins when working with any chemical. Splash goggles, face shield and gloves are recommended. Never inhale, ingest or expose skin to the product and provide good ventilation in confined spaces.

Refer Health & Safety Section (below) and SDS for additional instructions.

## STORAGE

**DeBOND and any removed materials should not be stored, transferred or transported in metal containers.**

DeBOND must be stored in upright, sealed containers in a temperature controlled environment. Extreme hot and cold temperatures should be avoided during transport and storage. DO NOT FREEZE. Ensure unused product is sealed to prevent spillage and evaporation.

## PHYSICAL PROPERTIES

Physical State:

Liquid

Color:

White

Appearance:

Emulsion

Application Temperature:

5°C-32°C (40°F-90°F)

Odor:

Mild

Relative Density:

1.04

pH:

No Data Available

## HEALTH & SAFETY

Do not swallow, inhale or ingest. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. Avoid eye contact – wear appropriate eye goggles. Avoid skin contact – wear gloves, face shield and appropriate clothing and foot wear. Wash exposed areas thoroughly with water. If ingestion occurs seek medical advice.

Refer to SDS for additional information.