

# TECHNICAL DATA SHEET

## IGL COATINGS™ ECOCOAT ARMOR

Material no.

Specification

Version

154333

2.0

Revision date

20.05.2025



### IGL COATINGS ECOCOAT ARMOR

#### A TINTABLE BEDLINER FOR TRUCK BED PROTECTION.

#### Description

**Ecocoat Armor** is a two-component (2-K) bedliner for truck bed protection which provides hard, flexible and strong protection for your truck bed.

#### Benefits

Reinforced with carbon nanotubes.

Provides protection against impact, mechanical damage, and corrosion.

Resistant to a wide range of chemicals.

Imparts an anti-skid effect

Provides excellent adhesion to steel, aluminum and wood surfaces.

#### Technical Data

##### Mixing Ratio

	Spray gun Iwata W-77 with Ø2.5mm nozzle	Spray Gun Schutz spray gun
AR1 (binder) : AR3 (hardener)	4 : 1 (by weight)	
AR2 (colorant)	7 wt. %	
Diluent (For rough texture)	35 wt. %	7 - 28 wt. %
Diluent (For smoother texture)	Add up to 5 - 10 wt. % more	Add up to 35 wt. %

**REMINDER:** Always test on an inconspicuous area first. Kindly contact your local IGL Coatings representative if you need advice.

#### Preparation

##### Step 1: Cleaning the surface

- Clean the surface using **Ecoclean Wash**.
- Degrease and remove oily contaminants from the surface using **Ecoclean Multi**.
- Then, remove existing rust using **Ecoclean Iron**. Use P80-P180 grit sandpaper to remove stubborn rusts.
- Abrade the whole surface using P80-P180 grit sandpaper and clean the surface with water.
- Immediately, dry the surface using microfiber cloth.
- Degrease the surface using **Ecoclean Precoat** to improve the adhesion and the durability of the coating.

##### Step 2: Mixing the coating formulation

- The temperature during processing should be in the range of 10-30°C (50-86°F), **preferably at 15-25°C (59-77°F)**.
- Mixing the formulation at room temperature is recommended.
- Prepare a 2-liter mixing container.
- Stir **Ecocoat Armor AR1** using the provided stick for at least 1 minute. **AR1** is originally slightly gel-like and will flow easier after stirring.
- Pour **AR1, AR2, AR3, and diluent** into the container in order.
- Proceed to stir for at least 2-3 minutes or until the mixture is smooth and well-mixed.
- After the mixing process, the mixture is ready to use. The mixture needs to be used within **60 minutes (Pot-life)**.

##### Step 3: Application process

- Preferably to conduct the application process at dust free area.
- Please refer to spraying guide for detail on application process using different spray techniques.

# TECHNICAL DATA SHEET

## IGL COATINGS™ ECOCOAT ARMOR

Material no.

Specification

Version

154333

2.0

Revision date

20.05.2025



### Step 4: Drying and Curing

- **Please refer to spray guide for dry to touch, tack free and cure time for different deposition profile.**
- The thickness of the coating and the surrounding temperature will directly affect the drying time of the coating. The more layers of coating applied will extend the full cure time of the coating.
- Too short interlayer coat time will dampen the texture formation of subsequent coating layer. It is recommended to have interlayer coating close to the end of tack free period for maximum interlayer adhesion and texture retention.
- Do not allow the newly coated surface to be in contact with water for at least 24 hours.
- Do not place any heavy load on the surface before the coating is fully cured (around 5 days).

### Safety and Handling

**This product does contain hazardous and flammable materials. Please wear appropriate personal protective equipment (PPE) when handling this product. Do not smoke when using this product.** For your safety, toxicological data and information on property transportation, storage and use, please read the Safety Data Sheet (SDS) before using any **IGL Coatings products**. The SDS is available upon request via email from [regulations@iglcoatings.com](mailto:regulations@iglcoatings.com)

### Disposal

Dispose of contents/container in accordance with local and national regulations.

### Storage

**Ecocoat armor** is storage-stable for at least 12 months in originally sealed containers.

**Ecocoat armor AR3 (Hardener)** is sensitive to moisture. Ensure the cap is closed tightly after use if there are leftovers. Keep the opened containers properly and use up as soon as possible.

The mixed formulation must be used within 60 minutes.

THIS INFORMATION AND ALL TECHNICAL AND OTHER ADVISE PROVIDED HEREIN ARE BASED ON IGL COATINGS'S PRESENT KNOWLEDGE AND EXPERIENCE. IGL COATINGS ASSUMES NO LIABILITY FOR SUCH INFORMATION OR ADVISE, INCLUDING THE EXTEND TO WHICH SUCH INFORMATION OR ADVISE MAY RELATE TO THIRD PARTY INTELLECTUAL PROPERTY RIGHTS. IGL COATINGS RESERVES THE RIGHT TO MAKE ANY CHANGES TO ANY INFORMATION OR ADVISE AT ANY TIME WHATSOEVER, WITHOUT ANY PRIOR OR SUBSEQUENT NOTICE TO ANY THIRD PARTY. IGL COATINGS DISCLAIM ALL REPRESENTATIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND SHALL HAVE NO LIABILITY FOR, MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR A PARTICULAR PURPOSE (EVEN IF IGL COATINGS IS AWARE OF SUCH PURPOSE), OR OTHERWISE. IT IS THE CUSTOMER'S SOLE RESPONSIBILITY TO ARRANGE FOR INSPECTION AND TESTING OF ALL PRODUCTS BY QUALIFIED EXPERTS. IGL COATINGS SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND ARISING FROM THIS ADVISE.