

PENN ELCOM DATASHEET

ARMACAB Application Guide

USER GUIDE - Textured Roller

Introduction

Armacab Paint is a high-quality coating designed for professional speaker enclosures and flight case manufacture. This guide provides step-by-step instructions for applying Armacab Speaker Paint using a textured roller

Required Equipment

Armacab Paint
Textured Roller
Paint Tray
Clean lint-free cloths
Personal protective equipment (PPE) (gloves, respirator, safety goggles)
Masking tape and paper (if necessary)
Spatula or stirrer

General Preparation

Work in a well-ventilated area with minimal dust. Use drop cloths or masking tape to protect surfaces from splashes and spills. Ensure proper lighting to detect any application inconsistencies.

Surface Preparation

Ensure the speaker enclosure or flight case is sanded smooth, and any joints or fixings are filled and sanded to prevent them showing through the coating. Once sanded, clean the speaker enclosure thoroughly to remove dust, grease, or debris. This can be done using a compressed air blow gun for optimal results, or by wiping the surface with a clean, lint-free cloth. Mask any areas with masking tape that do not need to be coated.

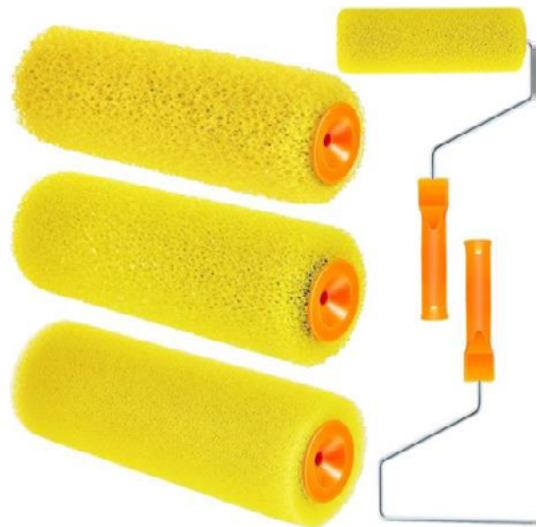
Paint Preparation

Armacab is self-priming, and is formulated to be used straight from the tin with little or no preparation needed. If the product has been stored for any length of time, some separation may occur. To mix the product, use a clean dry spatula or stirrer, and hand mix until all components are fully dispersed. Armacab Paint is a highly viscous coating, and its normal appearance/consistency is thick and semi-congealed. If you need to thin the product, this can be done using water up to 5%.

PLEASE NOTE - thinning the product will affect the ability create a texture coat, so please add water in small amounts

Roller

To achieve a professional textured finish using a roller, a coarse textured foam roller will offer a uniform raised pattern similar to the spatter effect achieved with spray equipment. We recommend a 4 inch roller size for ease of use, as well as the ability to reach smaller areas such as internal baffles in speakers, or handles and recesses on flight cases.



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USER GUIDE - Textured Roller

Application Method

First Coat

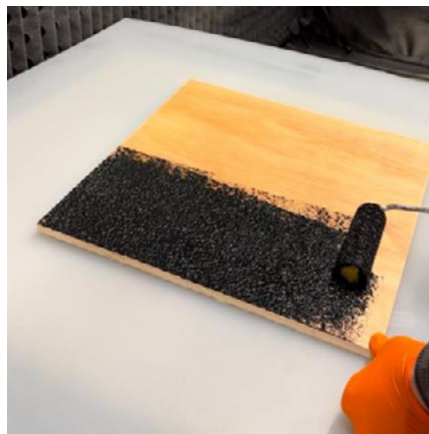
1. Apply a moderately thick even coat using steady, overlapping layers.
 - Load the roller from a tray.
 - Roll using an even pressure.
 - Alternate the direction of rolling.
2. Allow the first coat to flash off (dry to a tack-free state) before applying additional coats – typically 20-40 minutes according to atmospheric conditions.

Second Coat

- Repeat the actions of coat one until a satisfactory coverage is achieved.
 - Ensure there are no areas of wood still exposed.
 - Check for areas of wood grain texture still showing, and coat again if necessary.
3. Allow the second coat to flash off (dry to a tack-free state) before applying texture coat– typically 20-40 minutes according to atmospheric conditions.

Texture Coat

4. Load the roller from a tray and apply an even layer over the two base coats.
5. Continue to use the roller over the new layer, even after the roller is empty of paint to raise the surface of the coating, creating a texture pattern.
6. Allow to air dry for 10 minutes, until the paint has semi-dried.
7. After 10 minutes, use the dry roller without any paint to go over the texture coat again. This should raise the surface texture if it has settled and flattened a little.
8. Once the first texture layer has dried, repeat these steps until the level of texture you require has been achieved.



Drying and Curing

Dry time is dependent on atmospheric conditions, but will typically be between 20 and 40 minutes in ambient temperatures, and with gentle air movement.

To speed up the drying time, allow free flowing air to pass over the product, either by using a fan, or allowing your spray booth to draw air across the surface. Additionally, warm air will speed this process up further. Avoid handling until the paint has fully cured.

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USER GUIDE - Textured Roller

Cleanup and Maintenance

Clean the roller and tray immediately after using clean water.

Dispose of excess paint according to local regulations.

Store Armacab Speaker Paint in a cool, dry place with a tightly sealed lid.

Safety Precautions

Always wear appropriate PPE – gloves, mask and eye protection.

Work in a ventilated area.

The product is solvent and odour free.

Follow manufacturer guidelines for safe handling and disposal.

PENN ELCOM DATASHEET

ARMACAB Application Guide

USER GUIDE - Pressure Pot & Pressure Assisted Gravity Gun

Introduction

Armacab Paint is a high-quality coating designed for professional speaker enclosures and flight case manufacture. This guide provides step-by-step instructions for applying Armacab Speaker Paint using a gravity spray gun with a pressurised cup to achieve a durable and uniform finish.

Required Equipment

Armacab Paint
Gravity spray gun with a pressurized cup or pressure pot with spray gun
Air compressor (with regulator and water trap)
Clean lint-free cloths
Personal protective equipment (PPE) (gloves, respirator, safety goggles)
Masking tape and paper (if necessary)
Spatula or stirrer

General Preparation

Work in a well-ventilated area with minimal dust. Use drop cloths or masking tape to protect surfaces from overspray. Ensure proper lighting to detect any application inconsistencies.

Surface Preparation

Ensure the speaker enclosure or flight case is sanded smooth, and any joints or fixings are filled and sanded to prevent them showing through the coating. Once sanded, clean the speaker enclosure thoroughly to remove dust, grease, or debris. This can be done using a compressed air blow gun for optimal results, or by wiping the surface with a clean, lint-free cloth. Mask any areas with masking tape that do not need to be coated.

Paint Preparation

Armacab is self-priming and formulated to be used straight from the tin with little or no preparation needed. If the product has been stored for any length of time, some separation may occur. To mix the product, use a clean dry spatula or stirrer, and hand mix until all components are fully dispersed. Armacab Paint is a highly viscous coating, and its normal appearance/consistency is thick and semi-congealed. If you need to thin the product, this can be done using water up to 5%.

PLEASE NOTE - thinning the product will affect the ability create a texture coat, so please add water in small amounts at a time if required.

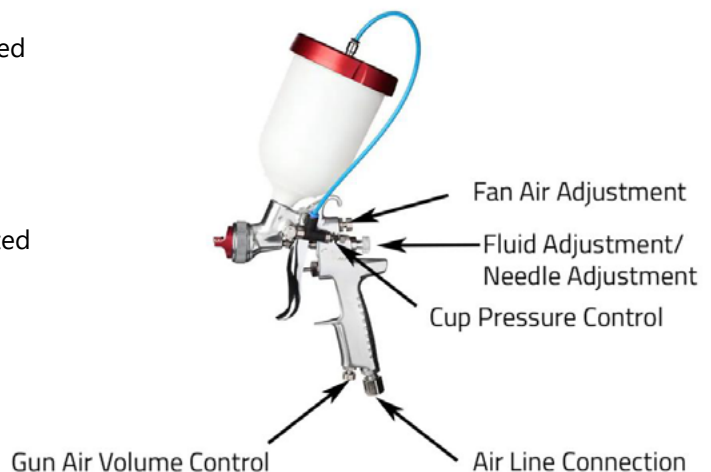
Spray Gun

If not using a pressure pot, Armacab can only be sprayed using a gravity fed spray gun with pressurised cup. Without the pressurised cup, the product will be too viscous to spray. If using a pressure pot, the gun setup should be the same, minus the pressurised cup.

Spray Gun Setup (both pressure pot or pressure assisted gravity gun)

Tip size: 1.4mm / 0.06"

Air Pressure (at wall/gun regulator): 30psi / 2bar



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USER GUIDE - Pressure Pot & Pressure Assisted Gravity Gun

Application Method

First Coat

1. Hold the spray gun 20-30cm (6-10 inches) from the surface.
2. Apply a light, even coat using steady, overlapping passes.
 - Gun air volume control open
 - Adjust fluid control/needle to control volume of product being sprayed
 - Adjust fan air to help control fan pattern.
 - All of the above are as per normal spraying practice.
3. Allow the first coat to flash off (dry to a tack-free state) before applying additional coats – typically 20-40 minutes according to atmospheric conditions.
4. To apply the texture or spatter coat:
 - Open fluid/needle adjustment fully.
 - Reduce gun air volume control until the spray pattern starts to stall and spatter.
 - Open the fan air adjustment to help control the spatter pattern.

We recommend applying 1-2 flat base coats or product before applying texture, allowing each coat to dry before applying the next.

Drying and Curing

Dry time is dependent on atmospheric conditions, but will typically be between 20 and 40 minutes in ambient temperatures, and with gentle air movement.

To speed up the drying time, allow free flowing air to pass over the product, either by using a fan, or allowing your spray booth to draw air across the surface. Additionally, warm air will speed this process up further. Avoid handling until the paint has fully cured.

Cleanup and Maintenance

Dry Clean the spray gun immediately after using clean water.

Dispose of excess paint according to local regulations.

Store Armacab Speaker Paint in a cool, dry place with a tightly sealed lid.

Safety Precautions

Always wear appropriate PPE – gloves, mask and eye protection.

Work in a ventilated area.

The product is solvent and odour free.

Follow manufacturer guidelines for safe handling and disposal.

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Please refer to the manufacturer or distributor for further help and advice.

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