

LIQUID METALFX

-HOW IT WORKS & MIXING INSTRUCTIONS-

TEXTURE BINDER

SAFETY	IMPORTANT!! It is extremely important to be fully protected, as the dust of the metal powders is dangerous for your health. Carbon filter mask, gloves and eye protection are a MUST!				
DESCRIPTION	The LMFX binder is a water base -single component- product. The metal powders are real metal powders and safety must be taken to protect yourself from the dust created during the mixing and sanding.				
PPE – PERSONAL PROTECTION EQUIPMENT	MUST HAVE ITEMS: Carbon Filter Mask, Gloves, Eye Protection These items must be worn during the mixing and sanding process. Review the safety data of the metal powder you plan to use for more specific precautions.				
SUBSTRATE PREPERATION	Drywall and wood are ideal surfaces to work on. Apply stain blocking primer like BULLSEYE 123. Metal Substrate: direct to metal (DTM), Epoxy primers are required, an isolating primer coat is required between LMFX and Epoxy primers ideal material T-9000 by Enviorlak. If more information is needed reach out for further information and guidance.				
HOW TO MIX	Texture binder is mixed using a ratio system by weight on a scale for complete accuracy. A ratio is how many times one quantity is equal to the other quantity.				
RATIOS	METAL	RATIO	WEIGHT (KG)	WEIGHT (LBS)	
Metal to Binder	ALUMINUM smooth & creamy	1:1	1kg Metal to 1kg Binder	2.2lbs Metal to 2.2lbs Binder	
	ALUMINUM textured & stencils	2:1	2kg Metal to 1kg Binder	4.4lbs Metal to 2.2lbs Binder	
	BRASS smooth & creamy	3:1	3kg Metal to 1kg Binder	6.6lbs Metal to 2.2lbs Binder	
Must use scale for accuracy					

RATIOS (Continued)	BRASS textured & stencils	4.5:1 MAXIMUM	4.5kg Metal to 1kg Binder Maximum metal to binder ratio.	9.9lbs Metal to 2.2lbs Binder	
Metal to Binder Must use scale for accuracy	BRONZE Smooth & creamy	3:1	3kg Metal to 1kg Binder	6.6lbs Metal to 2.2lbs Binder	
	BRONZE textured & stencils	4.5:1 MAXIMUM	4.5kg Metal to 1kg Binder Maximum metal to binder ratio.	9.9lbs Metal to 2.2lbs Binder	
	COPPER Smooth & creamy	2.5:1	2.5kg Metal to 1kg Binder	5.5lbs Metal to 2.2lbs Binder	
	COPPER textured & stencils	4.5:1 MAXIMUM	4.5kg Metal to 1kg Binder Maximum metal to binder ratio.	9.9lbs Metal to 2.2lbs Binder	
	IRON Smooth & creamy	2.5:1	2.5kg Metal to 1kg Binder	5.5lbs Metal to 2.2lbs Binder	
	IRON textured & stencils	4:1	4kg Metal to 1kg Binder	8.8lbs Metal to 2.2lbs Binder	
	NICKEL SILVER Smooth & creamy	2.5:1	2.5kg Metal to 1kg Binder	5.5lbs Metal to 2.2lbs Binder	
	NICKEL SILVER textured & stencils	4:1 MAXIMUM	4kg Metal to 1kg Binder	8.8lbs Metal to 2.2lbs Binder	
	STAINLESS STEEL Smooth & creamy	2:1	2kg Metal to 1kg Binder	4.4lbs Metal to 2.2lbs Binder	
	STAINLESS STEEL textured & stencils	3:1	3kg Metal to 1kg Binder	6.6lbs Metal to 2.2lbs Binder	
	WHITE BRONZE Smooth & creamy	3:1	3kg Metal to 1kg Binder	6.6lbs Metal to 2.2lbs Binder	
	WHITE BRONZE textured & stencils	4.5:1 MAXIMUM	4.5kg Metal to 1kg Binder Maximum metal to binder ratio.	9.9lbs Metal to 2.2lbs Binder	
	ZINC Smooth & creamy	2:1	2kg Metal to 1kg Binder	4.4lbs Metal to 2.2lbs Binder	
	ZINC textured & stencils	3:1	3kg Metal to 1kg Binder	6.6lbs Metal to 2.2lbs Binder	

HOW TO APPLY	Start by priming your surface with high quality acrylic surface primer like Bullseye 123, Envirolak T9000 or similar. Roller application: Pour your LMFx mixed material into a roller tray. Material dries very quickly so only pour small amounts. To help prevent your material from drying out place a wet rag over your unused material container of mixed product. Using a thin nap roller 10mm (3/8") to 15mm (1/2") roller or mini roller, roll over your surface creating a random pattern, or use a flexible stainless-steel trowel to push down the roller pattern and make smooth. The material dries quickly, maintain a wet edge and work within a small surface area at a time. Your based coat below will telegraph through to the top. Trowel application: Recommend applying first coat rolled on and trowel flat. Scoop your LMFx mixed material onto a hawk or putty knife, only take what you need in small amounts. Using a stainless-steel flexible trowel spread the material to cover the surface in either 1 coat or two. Take into account that whatever texture or pattern you leave WILL show through in your end finish. Applying it like Venetian Plaster will make it look like Venetian Plaster. Watch the video of how to apply at: Instagram Link @liquidmetalfx https://www.instagram.com/reel/CrJBVpXAcxd/?igshid=MzRIODBiNWFIZA== YouTube https://youtu.be/-tsou1XjxkQ MOVE ON TO THE SANDING STAGE
SANDING LMFx	Start the sanding process with 320 grit mesh sanding pads that connect to a dust extraction orbital sander and vacuum. Then move to 600 grit, followed by 1000 grit, skipping grits between. The sander can be air or electric. Preferred: 6" Mirka Deros or Festool Rotex Note: Keep the speed to medium to start as with some metals high speeds will blacken the surface. If you applied a thick and chunky finish with lots of high and low valleys, start the sanding process with 150-220 grit sanding pads to knock off the high spots then continue as normal. It can be polished using: SANDING PADS, RADIAL BRISTLES DISC BRUSHES, 0000 STEEL WOOL.

POLISHING TO A REFLECTIVE METAL SURFACE	To achieve a reflective metal finished surface start sanding with 320, 600 and 1000 grit sand paper, moving upward to 1500, 3000 and 5000. Getting up to a high gloss finish will depend on the technique used for the polishing process. The LMFx application would need to be treated like a metal surface.
HOW TO PROTECT YOUR FINISH	Be sure to wipe the surface down with a rag to remove the sanding dust prior to protecting. DO NOT USE ANY SOLVANTS, DENATURED ALCOHOL or ACETONE LMFx comes with a polyurethan water based top coat, applied with a velour roller. Be sure to roll smooth, free of thick areas, always working from a wet edge. Available in matte and satin. Suitable for interior and exterior applications (not fully exposed to the elements UV rated). Other options include carnauba wax, direct to metal lacquers by aerosol or spray application clear coats. Be aware a test should be made prior to onsite work as some coatings change the look of the metal and/or colour. Leaving LMFx natural will cause the metal to patina and change over time.
CLEAN UP	What to do with the water after cleaning? Let the water sit overnight and the metal will settle to the bottom. The next day pour out the water and clean then clean the sludge out into the trash. DO NOT POUR DOWN DRAINS!!!
DISCLAIMER	Every reasonable precaution is taken by the manufacturer in the manufacture of our products to ensure that they comply with our standards. The information given herein is correct to the best of our knowledge. Any suggestions made by us covering the use of our products are based on experience and/or tests believed to be reliable. However, because the use of any product of our manufacture is completely beyond our control, including for example, the method and conditions of application, no guarantee or warranty, expressed or implied, is made. Manufacturer's maximum liability shall be to replace such quantity of product determined by our laboratory to be defective. User shall determine the suitability of the product for his intended use and assumes all risk and liability in connection therewith.

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