

METALFAB 2018 - CHEMICAL PROCESSES FOR COLORING COMMON METALS/TABLE OF CONTENTS

PHILIPPE FIERS - FEBRUARY 6, 2018 - 4:00 PM TO 5:30 PM

ITEM	SUBITEM	DESCRIPTION	
INTRODUCTION	SPEAKER	BIO AND CURRENT OCCUPATION	
	THE CLASS	HOW THE TOPIC WILL BE TAUGHT AND DISCUSSED	
TOOLS, EQUIPMENTS AND RISKS	THE WORKING SPACE	VENTILATION AND LIGHTING	
		STORAGE AND LABELING	
		RIGHT TO KNOW (RTK), OSHA	
		FIRE EXTINGUISHERS	
	THE TOOLS	RAGS, BRUSHES, ABRASIVES,...	
	THE CONTAINERS	WHAT TO USE AND NOT TO USE	
	PERSONAL PROTECTIVE EQUIPMENT (PPE)	THE RISKS, WHAT TO USE IN PRESENCE OF WHAT CHEMICAL.	
BASE MATERIALS	WHAT ARE THE METAL AND NON METAL ELEMENTS WE DEAL WITH DAILY	THE PERIODIC TABLE, THE CHEMICAL ELEMENTS AND THEIR PROPERTIES	
	METAL ALLOYS AND THEIR COMPOSITIONS	STEEL, STAINLESS STEEL, COPPER ALLOYS, ALUMINUM AND MORE...	
	PLATED METALS	WHAT ARE THEY AND WHAT TO WATCH FOR WHEN COLORING	
PREPARING THE METAL	WHY IS A PREPARATION NEEDED	CLOSE LOOK AT THE SURFACES	
	THE MECANICAL PREPARATION OF THE METAL SURFACES	SANDING, BLASTING WITH VARIOUS MEDIA, GRAINS,...	
	CLEANING	READY TO USE CLEANERS AND THEIR PROPERTIES. WHAT TO LOOK FOR.	
	HANDLING, HANGING THE WORK	CONTAMINATION RISKS AND CONSIDERATION OF THE COLORING PROCESS FOR HANGING	
	PROBLEM OF OXIDATION	TIME BETWEEN CLEANING AND COLORING	
COLORING METAL	CONDITIONS	AMBIENT TEMPERATURE AND MOISTURE- WHY IT MATTERS	
	TEMPERATURE OF CHEMICALS AND METAL	WHY IT MATTERS	
	RECORDING/TESTING	IMPORTANCE OF WRITING/RECORDING CONDITIONS AND METHODS. TESTING NEW PROCEDURES	
	DIFFERENT METHODS	BRUSH, SPRAY, SWAB, DIP/IMMERSE, FUMING, STEAMING. WHAT METHOD TO USE.	
	COLORING AGENTS		SIMPLE PRODUCTS FROM YOUR KITCHEN AND DRUGSTORE, THEIR PROPERTIES AND APPLICATION
			PURE CHEMICALS
			READY TO USE CHEMICALS AND THEIR APPLICATION. LIQUID OR GEL?
	THE RESULTS		ON ALUMINUM, STEEL, STAINLESS STEEL, COPPER, BRASSES,...
CLEAR COATINGS	BEFORE COATING	THE NEUTRALIZATION, PH AND HOW TO MEASURE IT	
	CLEAR COATS	WHAT IS AVAILABLE (LACQUERS, POLYURETHANE COATINGS, WAXES) AND THE PROPERTIES	
		LONGEVITY, UV IMPACT	
SAMPLES FOR APPROVAL/RECORD	WHAT TO PRESENT	SIZES, PROCESS	
	WHAT TO TELL	VARIATIONS, EFFECT OF TIME AND EXPOSURE	
	LABEL, RECORDS	STAMPING, INFORMATION ON THE LABEL	
BIBLIOGRAPHY/ADDITIONAL SOURCES	YOUR OWN COLLECTION OF RECEIPES	RECORDS	
	INTERNET	SITES	
	BOOKS	AUTHORS	