



水性高耐污整理剂

FL-L02

CHYC
致远新科化学

产品简介:

PRODUCT INTRODUCTION

FL-L02 是一款水性氟硅高耐污的自消光树脂, 可显著提高汽车浅色座椅的耐咖啡、耐圆珠笔、耐磨性能, 具有优异的环保性, VOC 含量低于 50G/L, 耐咖啡测试高于 4 级 (色差 1.0 左右), 马丁戴尔耐磨可同时达到 4 级以上, 光泽 4 左右。产品不含环保违禁物质。

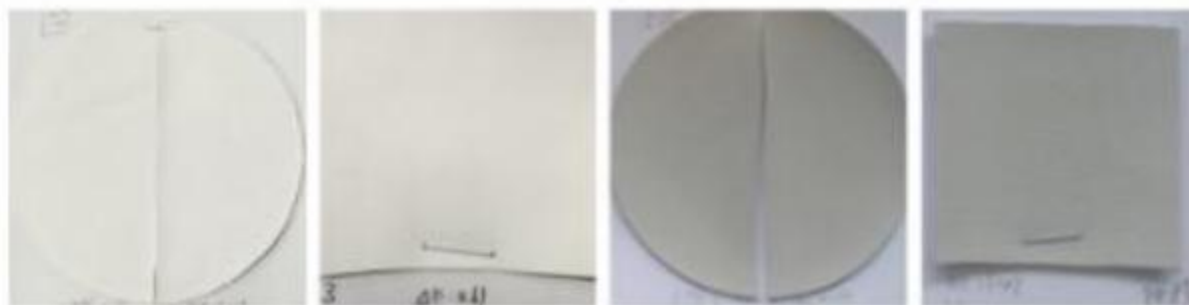
FL-L02 IS A WATER-BASED FLUOROSILICONE HIGH STAIN RESISTANT SELF EXTINGTION RESIN THAT CAN SIGNIFICANTLY IMPROVE THE COFFEE RESISTANCE, BALLPOINT PEN RESISTANCE, AND WEAR RESISTANCE OF LIGHT COLORED CAR SEATS. IT HAS EXCELLENT ENVIRONMENTAL FRIENDLINESS, WITH A VOC CONTENT OF LESS THAN 50G/L AND A COFFEE RESISTANCE TEST OF OVER LEVEL 4 (COLOR DIFFERENCE OF ABOUT 1.0). MARTINDALE'S WEAR RESISTANCE CAN REACH LEVEL 4 OR ABOVE AT THE SAME TIME, WITH A GLOSS OF ABOUT 4. THE PRODUCT DOES NOT CONTAIN ANY ENVIRONMENTALLY PROHIBITED SUBSTANCES.



产品基本指标	标准值
外观	乳白色液体
固含量	25±1%
PH值	6-8
粘度	25°C≤400CP
加工烘烤温度	120°C~130°C
包装规格	125KG/桶

产品性能测试:

PRODUCT PERFORMANCE TESTING



FL-L02 性能测试数据				
		39-104底涂+PU	2054底涂+PVC	测试标准
光泽		4.5	2.8-3.5	GB/T 9754-2007
醇咖啡	CIELAB	0.61	1.43	GB/T 250-2008 纺织品 色牢度试验
	等级	4-5	4	
耐磨擦 拭前	CIELAB	1.11	1.97	128牛仔布, 摩擦头质量为(795±10)G, 摩擦1000次后
	等级	4-5	4	
耐磨擦 拭后	CIELAB	0.11	0.49	按照 GB/T 250 评定皮革样品摩擦后表面灰卡等级
	等级	5	4-5	

产品显著特点:

- 有效应对新能源车浅色座椅的高耐污需求。

EFFECTIVELY ADDRESSING THE HIGH STAIN RESISTANCE REQUIREMENTS OF LIGHT COLORED SEATS IN NEW ENERGY VEHICLES.

- 自消光赋予树脂具有更高的性能和灵活性。

SELF EXTINGTION ENDOWS THE RESIN WITH HIGHER PERFORMANCE AND FLEXIBILITY.

- 水性体系产品具有更高的环保性。

WATER BASED SYSTEM PRODUCTS HAVE HIGHER ENVIRONMENTAL FRIENDLINESS.

产品工艺：

PRODUCT PROCESSING TECHNOLOGY

样品使用搭配说明：

建议组分 A 和组分 B 搭配使用，使用前充分摇匀。相应的推荐基础配方和建议工艺如下：

SUGGEST USING COMPONENT A AND COMPONENT B IN COMBINATION, SHAKE WELL BEFORE USE. THE CORRESPONDING RECOMMENDED BASIC FORMULA AND SUGGESTED PROCESSING TECHNIQUES ARE AS FOLLOWS:

建议基础配方：

涂饰剂推荐配方：42.5G\A 组分+1G\B 组分，根据用量配制好面涂后，搅拌 10-20 分钟，消泡或者滤泡后即可使用。

RECOMMENDED FORMULA FOR COATING AGENT: 42.5G/A COMPONENT+1G/B COMPONENT. AFTER PREPARING THE SURFACE COATING ACCORDING TO THE DOSAGE, STIR FOR 10-20 MINUTES TO REMOVE BUBBLES OR FOLLICLES BEFORE USE.

建议样皮处理工艺：

- 皮革样品→底涂涂覆→烘干→面涂涂覆→烘培→成品皮革；
 - 涂层：建议用涂覆平台，使用线棒(40-60 微米湿膜)刮涂，厚度可酌情适当调整；
 - 烘培：建议用鼓风烘箱，140°C~150°C/3 分钟，测试前建议先测试皮革的耐高温性
 - 工艺可根据实际情况进行适当的调整；
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- LEATHER SAMPLE → PRIMER COATING → DRYING → TOPCOAT COATING → BAKING → FINISHED LEATHER
 - COATING: IT IS RECOMMENDED TO USE A COATING PLATFORM AND A WIRE ROD (40-60 MICRONS WET FILM) TO SCRAPE THE COATING. THE THICKNESS CAN BE ADJUSTED APPROPRIATELY
 - BAKING: IT IS RECOMMENDED TO USE A BLAST OVEN AT 140 °C~150 °C/3 MINUTES. BEFORE TESTING, IT IS RECOMMENDED TO TEST THE TEMPERATURE RESISTANCE OF THE LEATHER
 - THE PROCESS CAN BE ADJUSTED APPROPRIATELY ACCORDING TO THE ACTUAL SITUATION

产品优势：

PRODUCT ADVANTAGES

自消光技术：

产品采用树脂自消光的方式，通过控制不同粒径乳液粒子的混合，当乳液成膜后，表面成形一定尺度的粗糙表面，从而降低了涂层表面的光泽。

THE PRODUCT ADOPTS THE RESIN SELF EXTINGUCTION METHOD. BY CONTROLLING THE MIXING OF LOTION PARTICLES WITH DIFFERENT PARTICLE SIZES, WHEN THE LOTION IS FILMED, A CERTAIN SCALE OF ROUGH SURFACE WILL BE FORMED ON THE SURFACE, THUS REDUCING THE GLOSS OF THE COATING SURFACE.

粒径分布宽：

自消光水性产品具有较宽的颗粒分布，其中大颗粒可以起到类似于消光剂的作用，小颗粒将赋予涂膜更好的附着力。由于分散液中不含消光剂，可以大大提高涂膜性能，尤其是抗划伤性。

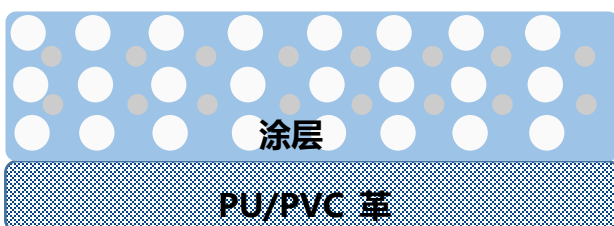
SELF EXTINGUCTION WATER-BASED PRODUCTS HAVE A WIDE PARTICLE DISTRIBUTION, WHERE LARGE PARTICLES CAN ACT LIKE EXTINGUCTION AGENTS, WHILE SMALL PARTICLES WILL GIVE THE COATING BETTER ADHESION. DUE TO THE ABSENCE OF MATTING AGENTS IN THE DISPERSION, THE COATING PERFORMANCE, ESPECIALLY SCRATCH RESISTANCE, CAN BE GREATLY IMPROVED.

交联过程中相分离：

产品固化过程中可形成具有不同组分和结构的多相分布。通过相分离实现自消光的前提是具备大粒径。

DURING THE PRODUCT CURING PROCESS, MULTIPHASE DISTRIBUTIONS WITH DIFFERENT COMPONENTS AND STRUCTURES CAN BE FORMED. THE PREREQUISITE FOR ACHIEVING SELF EXTINGUCTION THROUGH PHASE SEPARATION IS TO HAVE A LARGE PARTICLE SIZE.

产品涂覆时状态



产品干燥后状态



产品优势：

PRODUCT ADVANTAGES

自乳化技术：

1：通过调整分子结构和亲水基的含量，让树脂本身具备自乳化功能。

BY ADJUSTING THE MOLECULAR STRUCTURE AND THE CONTENT OF HYDROPHILIC GROUPS, THE RESIN ITSELF CAN HAVE SELF EMULSIFYING FUNCTION.

2：无需额外引入乳化剂、表面活性剂等助剂，成膜后可以保证更高的耐污性。

WITHOUT THE NEED FOR ADDITIONAL ADDITIVES SUCH AS EMULSIFIERS AND SURFACTANTS, HIGHER STAIN RESISTANCE CAN BE ENSURED AFTER FILM FORMATION.

3：高分子中自乳化基团在使用过程中可以作为交联基团参与反应从而避免亲水基团裸露在涂层表面，对涂层造成不利的影晌。

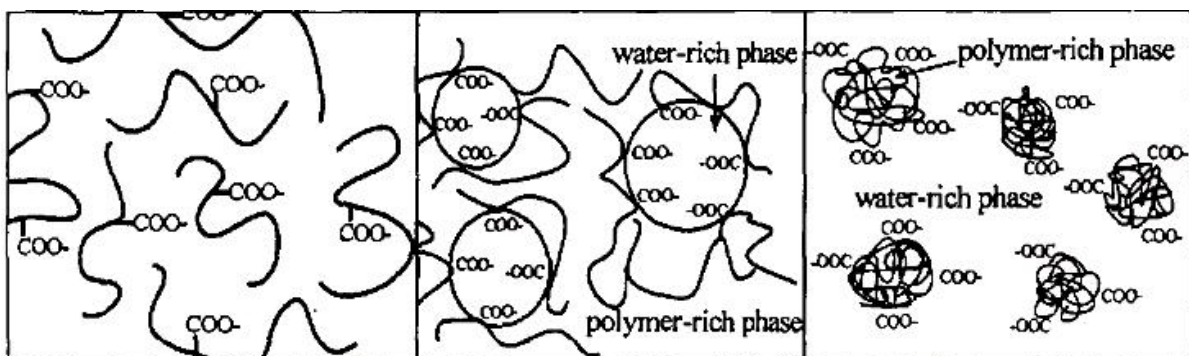
THE SELF EMULSIFYING GROUPS IN POLYMERS CAN PARTICIPATE IN REACTIONS AS CROSSLINKING GROUPS DURING USE, THEREBY AVOIDING THE EXPOSURE OF HYDROPHILIC GROUPS ON THE COATING SURFACE AND CAUSING ADVERSE EFFECTS ON THE COATING.

4：溶液聚合后，树脂可脱去溶剂成为水性涂料，溶剂含量低，产品中的溶剂通过精馏过程可以重复循环利用。

AFTER SOLUTION POLYMERIZATION, THE RESIN CAN REMOVE THE SOLVENT AND BECOME A WATER-BASED COATING WITH LOW SOLVENT CONTENT. THE SOLVENT IN THE PRODUCT CAN BE REPEATEDLY RECYCLED THROUGH DISTILLATION PROCESS.

自乳化过程：

SELF EMULSIFICATION PROCESS



应用领域：

APPLICATION AREA



汽车座椅人工革耐污

汽车浅色内饰表面耐用涂层

汽车遮光板表面耐污耐磨

ARTIFICIAL LEATHER FOR CAR SEATS IS STAIN RESISTANT

DURABLE COATING ON THE SURFACE OF LIGHT COLORED INTERIOR OF AUTOMOBILES THE

SURFACE OF THE CAR SUNSHADE IS STAIN RESISTANT AND WEAR-RESISTANT



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应用领域：

APPLICATION AREA



浅色真皮皮包，箱包

人工革手各类箱包

真皮、人造革的鞋履

LIGHT COLORED GENUINE LEATHER BAGS AND SUITCASES

VARIOUS TYPES OF BAGS AND SUITCASES MADE OF ARTIFICIAL LEATHER SHOES AND CLOGS

MADE OF GENUINE LEATHER OR SYNTHETIC LEATHER

以上领域对耐污的需求略有不同，总结为以下几点：

耐摩擦、耐咖啡、耐老化、耐化妆品、耐水彩笔、耐食物污渍、耐咖啡、长效等。

THE ABOVE FIELDS HAVE SLIGHTLY DIFFERENT REQUIREMENTS FOR STAIN RESISTANCE, WHICH CAN BE SUMMARIZED AS FOLLOWS:

RESISTANT TO FRICTION, COFFEE, AGING, COSMETICS, COLORED PENS, FOOD STAINS, COFFEE, AND LONG-LASTING EFFECTS.

FL-L02 是一种防尘、防污、防染色和防刮的涂层。该涂层可为皮革和合成革添加 坚固的保护层，以防止污渍和燃料侵入基材材料中，使清洁变得更轻松。也可以用于预防日常使用对座椅、沙发、桌椅、皮具表面等造成的日常损害和擦伤。

FL-L02 IS A DUST-PROOF, ANTI FOULING, ANTI STAINING, AND SCRATCH RESISTANT COATING. THIS COATING CAN ADD A STRONG PROTECTIVE LAYER TO LEATHER AND SYNTHETIC LEATHER TO PREVENT STAINS AND FUEL FROM ENTERING THE SUBSTRATE MATERIAL, MAKING CLEANING EASIER. IT CAN ALSO BE USED TO PREVENT DAILY DAMAGE AND ABRASIONS TO SEATS, SOFAS, TABLES AND CHAIRS, LEATHER SURFACES, ETC. CAUSED BY DAILY USE.

储存建议：

STORAGE SUGGESTIONS

储存：

建议阴凉通风储存，注意避免长时间接触高温和光照。

使用前建议：

使用时佩戴好防护用具（口罩、防护面具和手套）部分组份有一定的气味。

STORAGE:

IT IS RECOMMENDED TO STORE IN A COOL AND VENTILATED PLACE, AND AVOID PROLONGED EXPOSURE TO HIGH TEMPERATURES AND LIGHT.

SUGGESTION BEFORE USE:

WEAR PROTECTIVE EQUIPMENT (MASKS, PROTECTIVE MASKS, AND GLOVES) WHEN USING. SOME COMPONENTS HAVE A CERTAIN ODOR.

