

Functional Additives for PU Coating

Product Name	Model	Appearance	Applicable system	Functions & Features
Defoaming Agent	YRXP-02S	Clear liquid	Oil-based	Non silicon efficient defoamer with good compatibility and transparency.
	YRXP-07	Semi clear liquid	Oil-based	Organic silicone efficient defoamer with good foam inhibition and breaking effect, it can quickly eliminate micro bubbles and large bubbles.
	YRXP-08W	Yellowish cloudy liquid	Water-based	Non silicon efficient defoamer with good foam inhibition and breaking effect, it can quickly eliminate micro bubbles and large bubbles.
Antistatic Agent	CUCE-W	Colorless-Yellowish Clear liquid	Oil-based & water-based	Excellent antistatic effect, less addition, light color, does not affect the appearance of the coating. It can reach antistatic effect of 10^8 Ohms.
Anti-yellowing Antioxidant	UVK-CLV	Yellowish clear liquid	Oil-based	Good compatibility, migration resistance, UV resistance, yellowing resistance, high efficiency and less addition; The color is light and does not affect the appearance chroma.
	UVK-TE	Colorless clear liquid	Oil-based	Inhibit thermal oxygen aging of paint film, prevent and delay the discoloration under high temperature.
Rheological agent	YRFC-RG02A	Amber clear liquid	Oil-based	With a small amount of 0.1-0.2% can effectively solve the powder sedimentation; Increase the addition amount to 0.6-2%, which can quickly form thixotropy and can be used for anti sagging coating on vertical or slope surface.
Viscosity Reducer (Dispersant)	YRFC-11	Brown clear liquid	Oil-based	It is applicable to coatings with high powder filler content. Only a small amount of powder filler can be added to disperse and adsorb on the surface of a large number of powder particles, effectively reducing the adsorption between powder particles, achieving the purpose of reducing the viscosity of the system, improving the leveling, reducing scratches, preventing the accumulation and hardening of powder filler, and reducing the defects of paint film such as brush marks, orange peel, pinholes, etc. The viscosity can be reduced by about 70% by adding only 0.1-0.2% of the system powder; For some extremely high viscosity systems (viscosity is about several hundred thousand centipoises), the viscosity can even be reduced to 1/10-1/20 of the blank.
Anti-settling Dispersant	YRFC-12	Yellowish Paste	Oil-based	Efficient anti settling and anti hardening agent, featuring leveling, and viscosity reduction capabilities. It can solve the problem of coarse particles and low mesh fillers being prone to settling and hardening at the bottom of the barrel.
Wetting dispersant	YRFC-11W	Brown clear liquid	Water-based	Only a small amount of YRFC-11W can enhance the wetting of powders and base materials, and effectively reduce the adsorption between powder particles, so as to achieve wetting, leveling, dispersion and other apparent effects.