



TALLICIN® 3001

Pot Life Extender for Polyurethanes, Polyureas and Polyaspartics

TYPICAL CHARACTERISTICS

Appearance	Colorless Liquid
Weight per Gallon, Lbs	8.7 - 9.0
Flash Point (TCC)	>93°C
Viscosity	~3 cPs

COMPATIBILITY

Tallicin® 3001 is a pot life extender for 2K Polyaspartic, Polyurea, and Polyurethanes. Tallicin® 3001 is added to the resin component and acts to temporarily "block" the reactive end groups from reacting with the isocyanate.

Tallicin® 3001 can be used with hydroxyl functional resins or amine functional resins in 2K systems.

APPLICATIONS

Tallicin® 3001 helps extend the working time (pot-life) and gel point for 2K polyurethane and polyaspartic systems while not impacting through-cure of the system.

The table below illustrates the influence Tallicin® 3001 has on a 2K polyaspartic system:

SAMPLE	POT LIFE	GEL POINT	TACK FREE TIME	DRY TIME	DRY HARD TIME
Control (Polyaspartic)	45 minutes	3hrs 30mins	7hrs	10hrs	11hrs
Control + 1% Tallicin® 3001	52 minutes	4hrs	6hrs	9hrs 30 mins	11hrs
Control + 2% Tallicin® 3001	58 minutes	4hrs 15mins	7hrs 15mins	8hrs 45mins	10hrs

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FOUR STAGES OF DRYING

- **GEL POINT** The point where wet film sample will no longer flow and level. It is not dry, it may be tacky, and it may even feel liquid when touched, but the product will not flow and level any further.
- **TACK FREE TIME** Liquid will not transfer to one's finger when touched. Surface no longer feels sticky or tacky.
- **DRY TIME** At this stage, dust will not adhere to the surface.
- **DRY HARD TIME** The coating is hard enough to proceed to the next step (i.e. another coat could be added or the coating can endure some degree of handling.)

FEATURES

Increases the pot life of two-components (2K) systems. Promotes wet edge and open time.

PROUDUCT USES (For professional use only. Not intended for retail sales.)

Tallicin[®] 3001 is added to the resin component in the range of 0.5% to 3.0% by weight of the system to the resin component of the system. The level of use and the corresponding effect of Tallicin[®] 3001 in a formulation should be evaluated thoroughly before commercial use.

SAFETY, STORAGE, AND HANDLING

Consult the SDS before use. Store Tallicin[®] 3001 in its original container, tightly sealed. Prevent contact with moisture and excess humidity. Once opened, any remaining Tallicin[®] 3001 in the container is best stored under dry inert gas blanketing such as argon or nitrogen. Store, transfer, and handle under an inert gas blanket. Replace damaged gaskets. Keep storage temperatures at 15°C - 40°C (59°F - 104°F).

Shelf life of product is 9 months from date product is shipped by Pflaumer and then maintained in original closed containers and stored in proper storage conditions at 25°C (75°F). If repackaging, use containers that will prevent moisture contamination. Avoid containers made with polyethylene, polystyrene, copper or tin.

CONTAINER SIZES

5 Gallon Pails (40 Lb/18 Kg)

55 Gallon Drums (441 Lb/200 Kg)

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