

Eastman Solus™ 2100 performance additive for high solids 2K coatings

Especially designed for low VOC thermoset coatings systems (420 g/L VOC or less), Eastman Solus™ 2100 performance additive delivers the following benefits:

- ◆ Faster dry-to-touch time
- ◆ Excellent anti-sag behavior
- ◆ Wider window of polishability
- ◆ Improved gloss after polishing
- ◆ Ease of sanding

VOC restrictions and other regulatory restrictions have created performance needs in compliant industrial coatings. Among these needs are faster dry time, polishability, sandability, sag resistance, and pot life/dry time balance.

These needs exist for 420 g/L VOC 2K coatings because the low MW acrylics used to meet target VOCs induce long dry times, sag and long times to develop hardness for polishing and sanding.



Effect of Eastman Solus™ 2100 on high solids coatings at 7% addition on solids:

Hardness: improves hardness development in acrylic and acrylic/polyester systems to match Low Solids acrylics.

Dry Time: improves dry-to-touch times of 420 g/l clearcoats while maintaining or extending pot life.

Polishability: widens polishability window and makes polishing 420 g/l clearcoats easier and more effective.

Chemical Resistance: maintains chemical resistance in MEK rub testing of acrylic and acrylic/polyester High Solids Coatings.

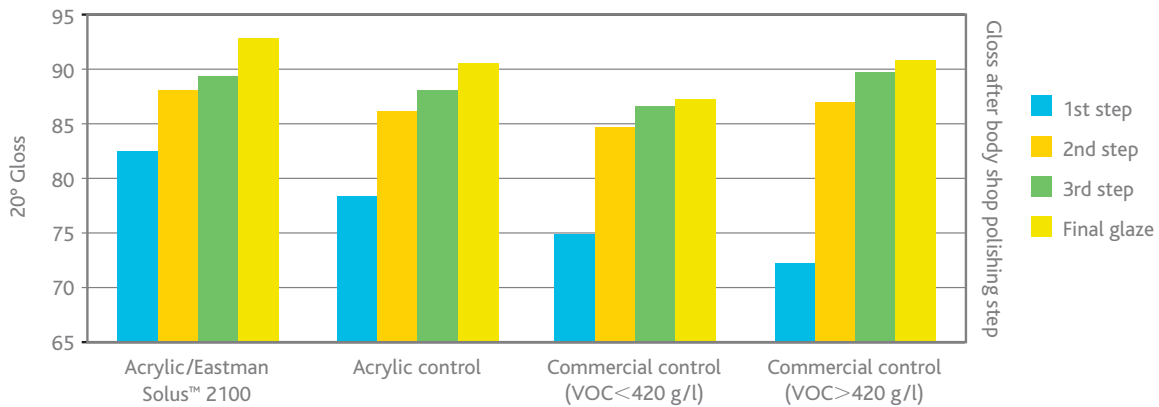
Gloss and DOI: does not impair gloss and DOI level.

Applications for Eastman Solus™ 2100 performance additive

Eastman Solus™ 2100 performance additive is designed to improve dry time and other performance properties of low VOC 2K industrial coatings. Market applications include

- ◆ Refinish clearcoats
- ◆ Aerospace topcoats
- ◆ Coatings for plastics
- ◆ Industrial maintenance
- ◆ Refinish primers

Eastman Solus™ 2100 performance additive in Refinish Clearcoats allows body shops to use fewer polishing steps to achieve desired gloss and appearance.

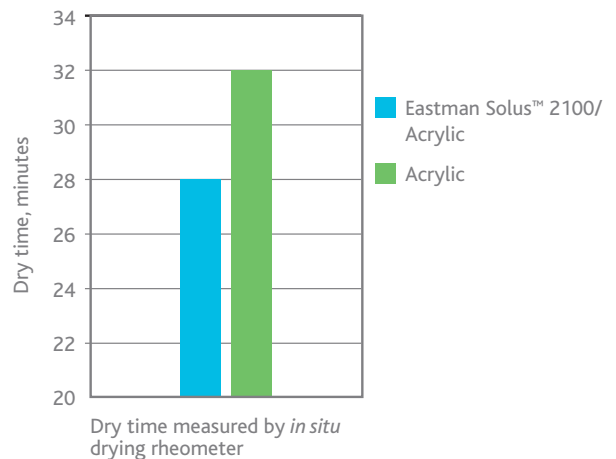


Example formulation containing 7% Eastman Solus™ 2100 on solids

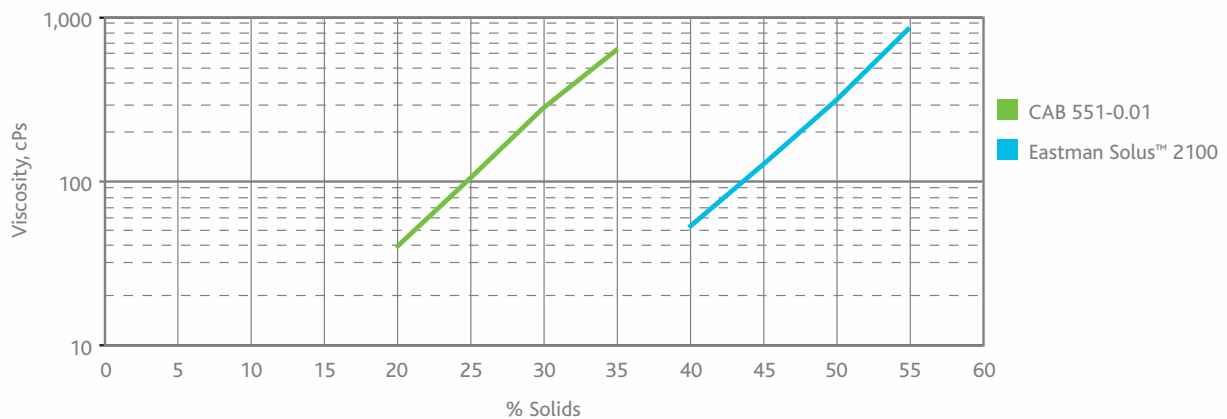
Material	Weight %
Cytec Macrynal® SM 515 acrylic	38.6
Nuplex Setalux® 1901 acrylic	18
Eastman Solus™ 2100 (50% in solvent blend)	9
DBTDL (10%)	0.5
IRGANOX® 1010 (10%)	1
BYK-331	1
Solvent blend (NBA/MAK/MEK/EB acetate 45:35:15:5)	7.9
Tolocate® HDT-LV (100%)	24

Wt % NV = 60%, VOC, 420 g/l, NCO/OH = 1.1/1

Automotive clearcoat paints
dry faster with Eastman Solus™ 2100.

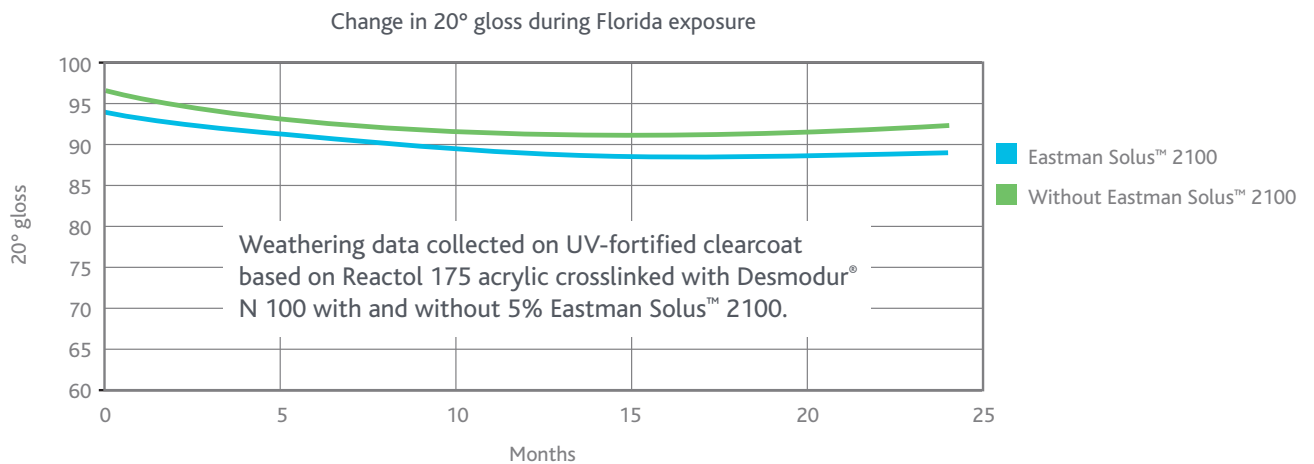
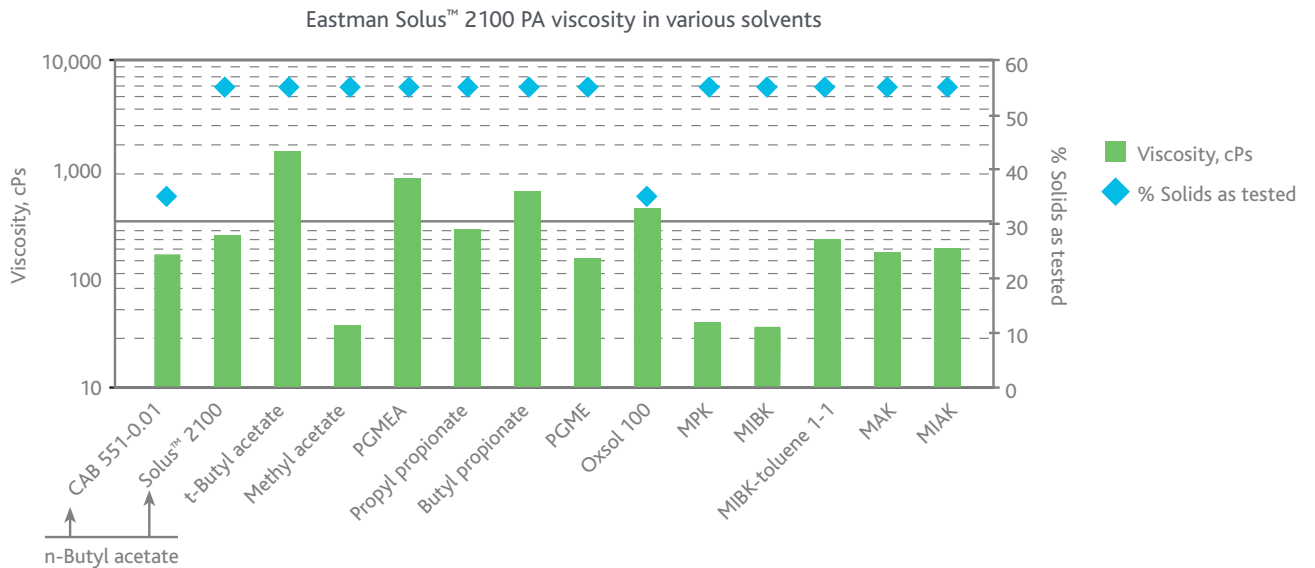


Viscosity comparisons in n-butyl acetate of CAB 551-0.01 and Eastman Solus™ 2100



Eastman SOLUS™ 2100

performance additive



Eastman Solus™ 2100 performance additive is ... the low-VOC solution for faster dry time, excellent flow and leveling, sag resistance, faster time to sand or polish, and less time polishing. Solus™ 2100 performance additive delivers traditional performance in High Solids Thermoset Coatings while helping you meet VOC targets.

Typical properties of Eastman Solus™ 2100 performance additive

Property	Value
Appearance	Free-flowing white powder
Solids	100%
Tg	75°C
% OH	1.5
Density (cast film)	1.18 Kg/L (9.89 lbs/gal)

Material	Manufacturer
Macrynal® SM 515	Cytec
Setalux® 1901 Acrylic	Nuplex
IRGANOX® 1010 (10%)	CIBA
BYK-331	BYK Chemie
Tolodate® HDT-LV	Rhodia
Reactol 175	Hexion
Desmodur® N 100	Bayer

The Eastman team is global, and we are just a phone call away.

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