

Product Planning for Warm Weather #103

With warmer weather coming upon us, your Transtar Technical Team would like to share a word with you about the importance of adjusting your hardener and reducer to reflect the change in weather. Don't let the warm weather create solving popping, hazing, or poor flow and diminish an otherwise beautiful paint job.

In extreme heat (>85° F/30° C) and humidity, you must slow your system down in order to allow optimal flow-out and drying.

When ambient temperatures are too high, fast reducers will evaporate before they can do their job of letting the film flow-out smoothly. This creates an unattractive textured finish. Avoid using a larger fluid tip, though it does allow more solvent to be deliver to the film, the larger droplet size will also add texture to the film. Slowing down the reducer is a better solution because it allows for good flow-out and proper atomization. Using a slower hardener will also help to keep the system open until the paint film has had proper time to lay down smoothly. Using a slower hardener and reducer will prevent problems from occurring.

Larger repairs or high temperatures combined with high humidity may require the addition of a retarder to aid in flow and leveling, use 6487 Appearance Improver in your clearcoat at a ratio of 1 -2 ounces per sprayable quart. Use of 6487 will require slightly longer flash times, on average an extra 10-15 minutes, to allow solvents to evaporate fully from the film.

Our Signature Series Speed Clear 9451 should be limited to quick spot repairs and single small panels when temperatures exceed 95°F. Make sure you are using the recommended 9424 activator. 9451 can also be reduced up to 10% with slow reducer and is compatible with 6487 Appearance Improver.

Use the table below for suggested temperature range and job size for Transtar Reducers.

Transtar Urethane Grade Reducers				
Speed	Temperature Range	Part Numbers		Job Size
		National Rule	Zero VOC	
Fast	60 - 70°F (15 - 21°C)	6701, 6704, 6705	6701-F, 6704-F	Spot Repair
Medium	65 - 80° F (18 - 26°C)	6711, 6714, 6715	6711-F, 6714-F	Single Panel
Slow	75 - 90° F (24° - 32°C)	6721, 6724, 6725	6721-F, 6724-F	Multi Panel
Extra Slow	+ 90°F (+28°C)	6751	NA	Overall (complete spray)
Shop conditions and job size may vary and effect flash time and reducer speed. Check the Tech Data Sheet and label for further detail.				

Remember that proper equipment maintenance, proper equipment selection, and trying to paint overall or multiple panels paint jobs during early hours can also prevent the problems mentioned above from happening. Regularly drain moisture from your compressor and air lines to prevent moisture from contaminating the film.

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