



TECHNICAL BULLETIN


APPLYING POLYURETHANE COATINGS IN HOT WEATHER



Problems that can occur in hot weather (above 25 deg. C)

1. Viscosity of coating decreasing as temperature increases can result in:

- Percolation or draining of coating into tongue and groove is increased and this may contribute more to edge bonding

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The information in this Technical Bulletin represents typical values. Application variables affect product performance therefore this information should be used as a guide. The user must satisfy themselves as to the suitability of this product for their requirements. Era Polymers assumes no liability for use of this information.

2. Solvents 'flash off' quicker resulting in:


- patchy gloss
- loss of 'wet edge' and consequent roller edge or stop / start marks, especially with satin finishes

3. Curing reaction is faster with effects in the extreme of:

- decreased flow, creating roller or brush marks
- gelation in application buckets, especially with 2 packs
- gloss variations
- orange peel
- film surface skins and results in bubbling

TROUBLESHOOTING GUIDE FOR COLD WEATHER

PROBLEM	REASON	CAUSE	REMEDY
Bubbles in dry food	<ul style="list-style-type: none"> • Drying too fast 	<ul style="list-style-type: none"> • Film surface drying too quickly • Film thickness high 	<ul style="list-style-type: none"> • Add up to 30 ml per litre (3%) Wet Edge Extender 3320 • Reduce airflow in room
Roller marks in dry film	<ul style="list-style-type: none"> • Drying too fast 	<ul style="list-style-type: none"> • Loss of 'wet edge' • Feathering of edges not adequate • Overworking of product 	<ul style="list-style-type: none"> • Add Wet Edge Extender 3320 at 3% per litre • More care with feathering in of wet edges • Ensure roller heavy edge not facing wet film
Brush marks at room edges	<ul style="list-style-type: none"> • Drying too fast 	<ul style="list-style-type: none"> • As per above 	<ul style="list-style-type: none"> • Add Wet Edge Extender 3320 at 3% per litre • Don't get too far ahead with edge brushing • Keep film thickness to a minimum • Feather in edges
Gloss Variation	<ul style="list-style-type: none"> • Uneven Drying 	<ul style="list-style-type: none"> • Temperature of floor or room uneven • Film thickness varying 	<ul style="list-style-type: none"> • Ensure no draughts or direct sunlight • Apply a more even film

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