

Finish Defects During Production

By Bruce Jackson

This is the second installment in a series of articles of common finish defects by Bruce Jackson, production and finishing specialist at the Alabama Center for Advanced Woodworking Technology.

Finish Defects reduce the quality and increase the cost of a product. Understanding why the defects occur and how to correct the problem(s) eliminate reducing your profit. Correcting the problem by additional labor and materials after the fact is much

more expensive than finding the cause and correcting it. This is why an understanding of common production finish defects causes and cures helps the finish department employees. Please let your finish employees keep this page as a visual information record.

Finish Defect #2: Blushing

Look at the photograph and you will see that the applied water white lacquer finish appears milky instead of transparent.



CAUSE

CURE

Very moist atmosphere	Wait for rain to stop or use fans to move air around in finishing room
Incorrect viscosity	Change solvent type if solvent is being used to thin material for spraying
Cold parts in cold room	Warm parts and room to comfortable temperature
Excessive air pressure	Reduce air pressure, check fluid viscosity
Excessive fluid pressure	Reduce fluid pressure, check fluid viscosity
Solvent blend	Blush retarder
Spray booth air velocity	Check face of spray booth for recommended air flow
Line speed flash-off time	Change line speed or fabricate shield around line to slow air flow which will slow flash-off time