

Test Data

PolyNovaTM AD-055 Acrylic Alkyd Dispersion

Industrial Gloss White Paint (AD055-1)

<u>Test</u>	<u>AD-055</u>	<u>Conventional alkyd</u>
VOC	190 g/L	440 g/L
Gloss - 60 degree	85	85
- 20 degree	69	54
Pencil hardness	2B	<3B
Conical mandrel bend (1/8")	Pass	Pass
Impact resistance - direct	60	100
Adhesion - cross-hatch	100%	60%
- Patti	343 psi	207 psi
Taber abrasion resistance		
mg loss/ 1000 cycles	176	234
Dry time - to touch	20 min	20 min
- tack free	40 min	100 min
- hard	80 min	140 min
UV resistance (336 hrs UVA240)		
Initial 60 deg. gloss	85	85
Final 60 deg. gloss	88	57
Early moisture resistance (2 hr cure)		
Blisters	None	None
Rust	None	None
Initial 60 deg. Gloss	85	85
Final 60 deg. Gloss	71	76
Cross-hatch adhesion	100%	30%
Corrosion weathering		
- blisters	None	None
- rust	None	None
- rust creepage	5 mm	5 mm
Salt spray		
- blisters	None	Few
- rust	None	None
- rust creepage	11 mm	15 mm

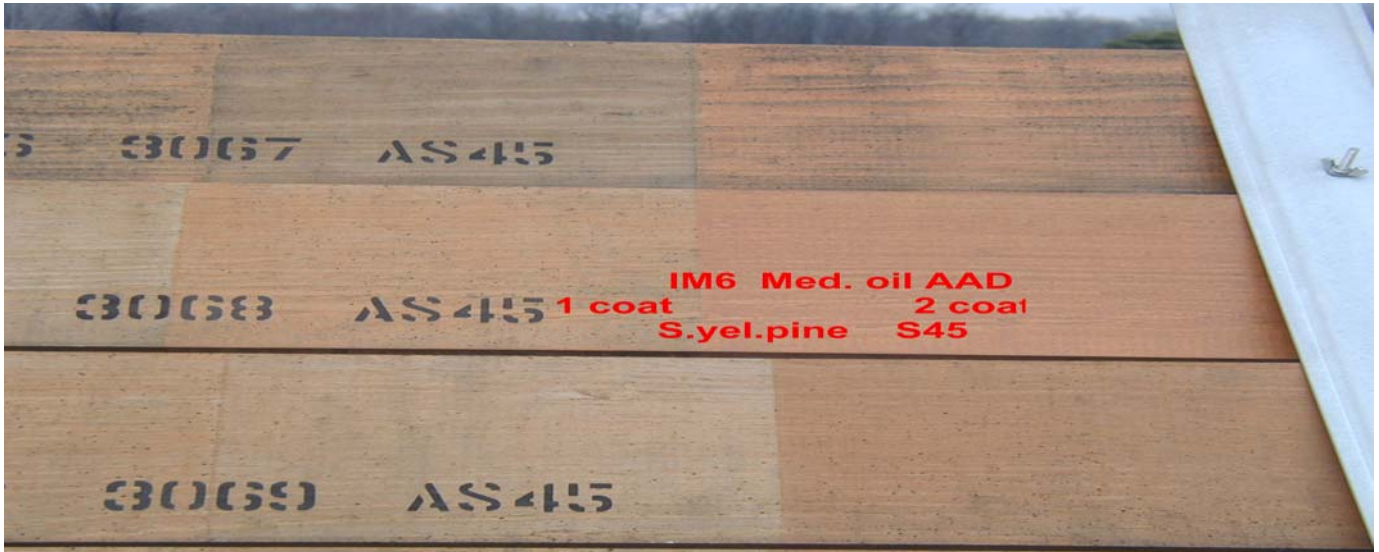
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Exposure Study

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Semi-transparent stain exposure - southern yellow pine (2 years)



Conventional alkyd dispersion

