

FLAMEDXX® Fire Retardant Coated OSB

Summary of Primary Tests		
SPECIFICATION	PROPERTY	RESULTS
ASTM E 84 (10-min.) ASTM E 84 (extended 30-min.)	Surface burning characteristics	Flame Spread Index = 10 Smoke Developed Index = 20
ASTM E 108 & UL 790	Fire exposure rating	Class A qualification
ASTM E 119	60-min. full scale vertical fire endurance	Met requirements for substitution into the UL design No. U356 as component #5
ASTM D 5516	Flexural properties	At point of man. Heat exposure (20 weeks), demonstrated insignificant strength loss
ASTM D 6305-02	Calculating bending strength	Insignificant strength losses due to elevated temperature and humidity
UPITT Test for Combustion Product Toxicity	Smoke toxicity	FLAMEDXX OSB less toxic than wood
BSS 7239-88 (Boeing)	Toxic gas generation	Generated gas emissions well below allowable limits for HCl, HCN, HF, NO _x , CO, and SO ₂
AWPA E12	Corrosion	Near or below untreated controls; no adverse effects on metals when exposed to extreme conditions