

# Underlayment Comparison

Test/Properties	WIP 300HT	Ice & Water Shield HT®	WIP 400	Grace® Ice & Water Shield
Roll Size	198 sq. ft.	225 sq. ft.	225 sq. ft.	225 sq. ft.
Thickness	40 mils	40 mils	40 mils	40 mils
Tensile Strength	250 psi	250 psi	250 psi	250 psi
Elongation at Break	250%	250%	250%	250%
Flexibility	-45°F	-20°F	-45°F	-25°F
Permeance	0.02 perms	0.05 perms	0.02 perms	0.05 perms
Exposure	60 days (black) 120 days (white)	120 days	60 days	30 days
Adhesion to Plywood <sup>(1)</sup>	4 lbs/in width	5 lbs/in width	4 lbs/in width	3 lbs/in width
Code Approvals:				
ICC-ES	Yes	Yes	Yes	Yes
UL-790 Class A/C	Yes	Yes	Yes	Yes
ASTM D1970	Yes	Yes	Yes	Yes
High Temp Resistance	Yes	Yes	No	No

**IMPROVED PHYSICAL PROPERTIES, QUALITY FOR LESS, CARLISLE REPUTATION.**