



ARLON

TransferRite Premask Compatibility Test Report

Objective:

Determine the optimal premask for SLX, SLX + 3270, and IllumiNITE. Conduct 180° peel testing of the TransferRite premask products on the mentioned surfaces.

Products to Be Tested:

- 760U Low Tack Premask 3oz/in
- 782U Medium Tack Premask 5oz/in
- 792U High Tack Premask 7oz/in
- 1310 Polypropylene High Tack Premask 7oz/in,
- AirMask High Tack Premask 7oz/in

Surface:

1. Arlon SLX Cast Wrap
2. Arlon SLX Cast Wrap with 3270 Overlaminat
3. Arlon IllumiNITE

Conditions:

Room temp, heat and heat/humidity.

Testing Period:

Initial and 2 weeks

Tests Performed:

180° peels at room temperature and after heat and humidity; liner adhesion of AirMask.

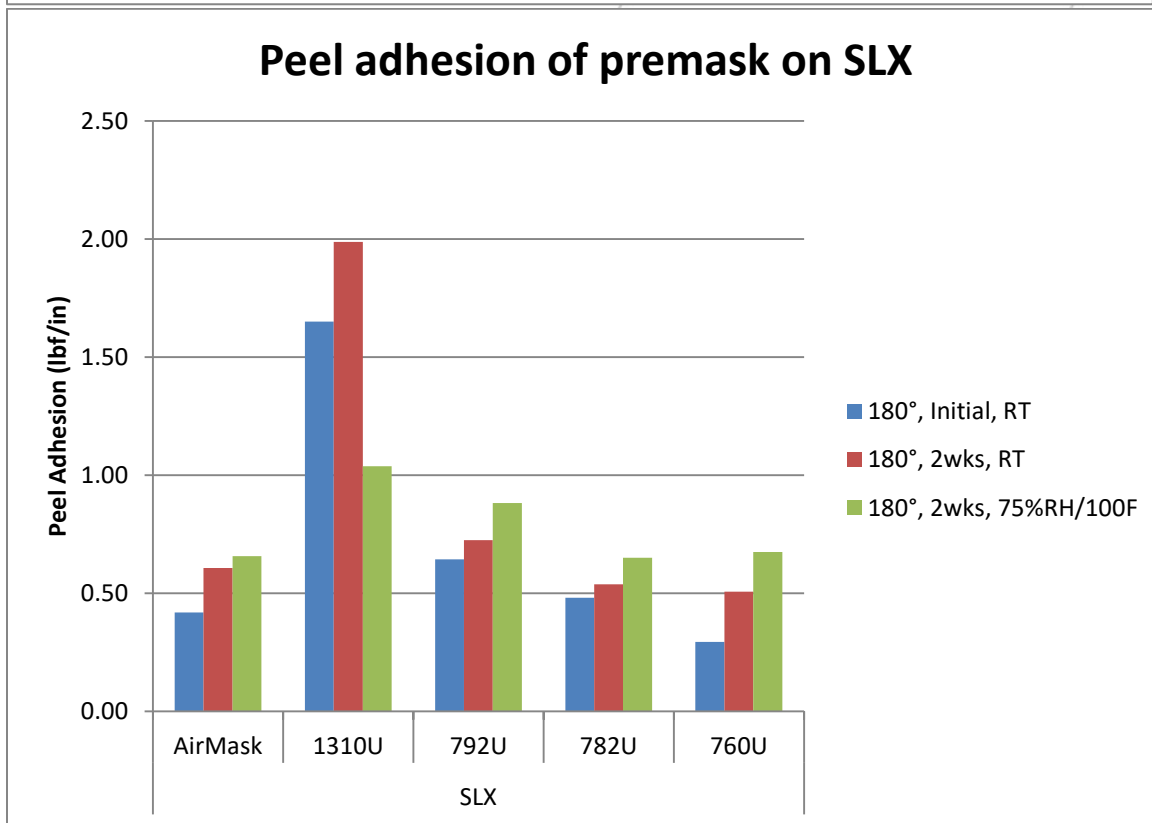
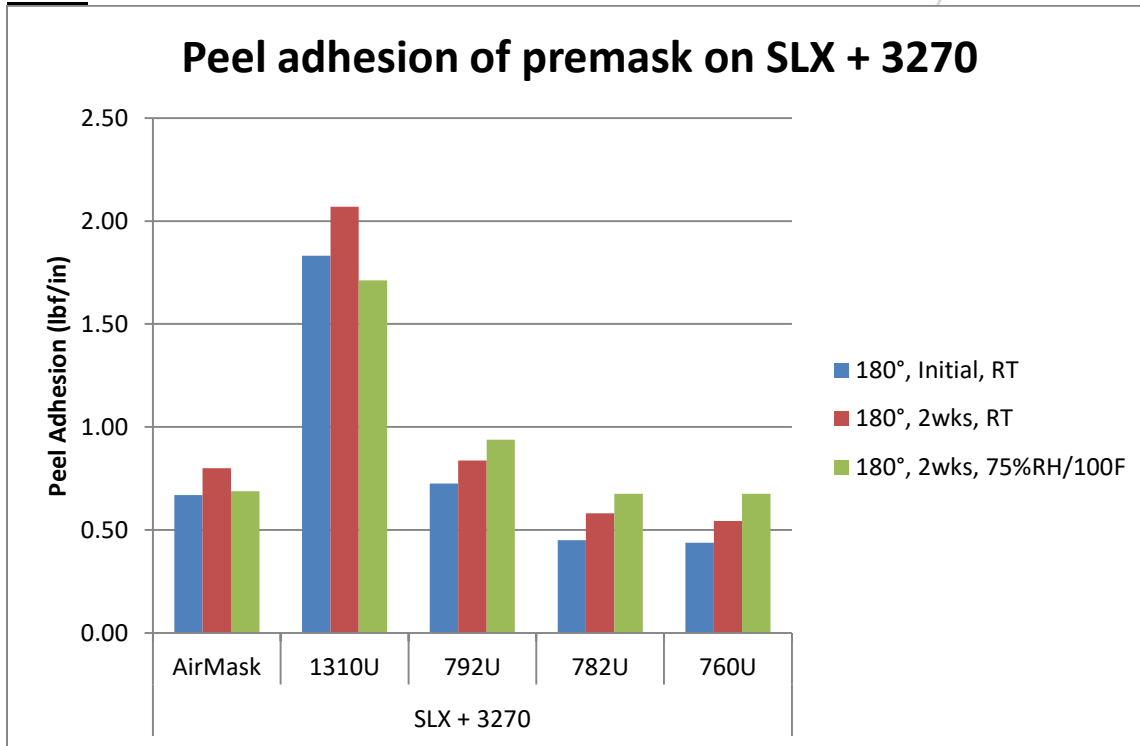
Observations:

1. None of the TransferRite premask products showed a significant peel build on the SLX with 3270 Overlaminat
2. There was a slight peel build with the premask on both SLX and the IllumiNITE.
3. 782U and 792U are the recommended premask for SLX, SLX +3270, and IllumiNITE.
4. 1310 had very high peel on all three vinyl surfaces.

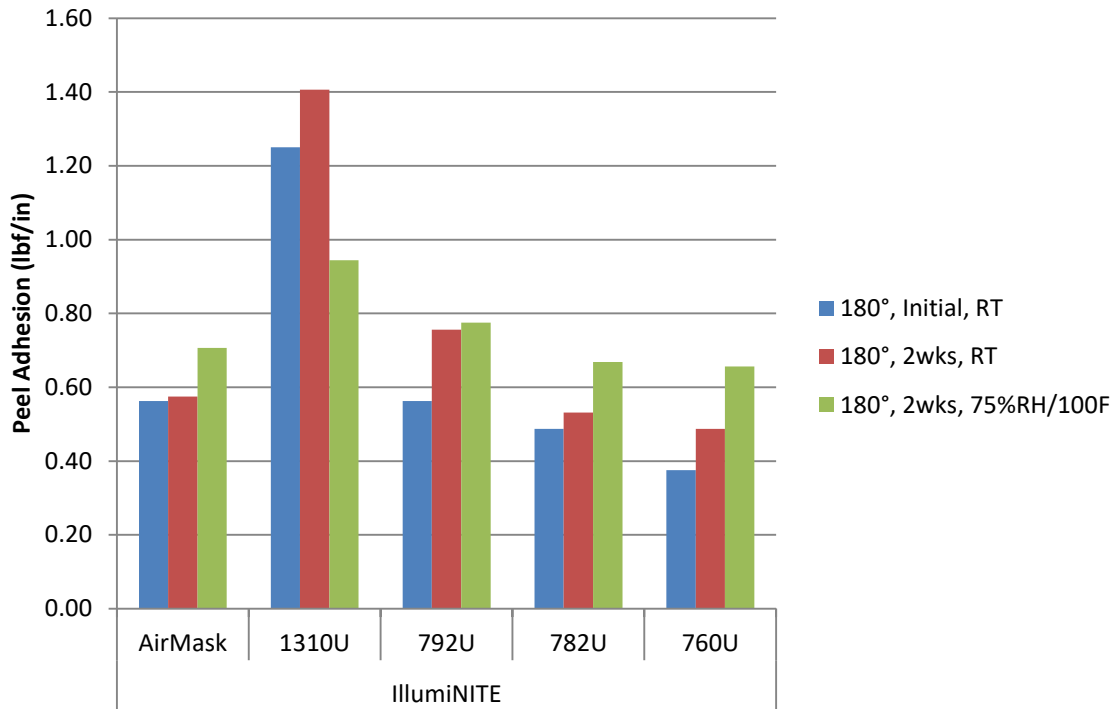
Conclusion:

TransferRITE 782U and 792U are the recommended premask for SLX, SLX + 3270, and IllumiNITE.

Data:



Peel adhesion of premask on IllumiNITE



Peel adhesion(lbf/in)	SLX + 3270				
	AirMask	1310U	792U	782U	760U
180°, Initial, RT	0.67	1.83	0.73	0.45	0.44
180°, 2wks, RT	0.80	2.07	0.84	0.58	0.54
180°, 2wks, 75%RH/100F	0.69	1.71	0.94	0.68	0.68

Peel adhesion(lbf/in)	SLX				
	AirMask	1310U	792U	782U	760U
180°, Initial, RT	0.42	1.65	0.64	0.48	0.29
180°, 2wks, RT	0.61	1.99	0.73	0.54	0.51
180°, 2wks, 75%RH/100F	0.66	1.04	0.88	0.65	0.68

Peel adhesion(lbf/in)	IllumiNITE				
	AirMask	1310U	792U	782U	760U
180°, Initial, RT	0.56	1.25	0.56	0.49	0.38
180°, 2wks, RT	0.58	1.41	0.76	0.53	0.49
180°, 2wks, 75%RH/100F	0.71	0.94	0.78	0.67	0.66