



CHECKLIST #0090 FOR THE APPROVAL OF: ROOFING UNDERLAYMENT

- ❑ Basic Requirements Checklist.
- ❑ One set of the manufacturer's 'approval document' including:
 - a.) Specification sheets for each roof assembly submitted for approval;
 - b.) Detailed application instructions for each product submitted for approval (include drawings if applicable);
 - c.) Listing (in the applicants company letterhead) of all products, manufactured by your company used in the system;
 - d.) Listing of all products manufactured by others, including manufacturers name, used in the system:
 - 1) Provide properly executed Miami-Dade Private Label Agreements for all products (components) within this list as required per the Manufacturing Location Private Label Policy.
 - 2) Provide properly executed Miami-Dade Distributor Agreements for all products (components) within this list that are manufactured outside of the United States.
 - e.) Listing of manufacturing locations (**See Note 1**), in table format of all the products (components) used within the system. Provide the following information:
 - 1) Product (component) name,
 - 2) Manufacturer of product,
 - 3) Manufacturing location of product (component).

The following current laboratory tests and reports in compliance with protocol TAS 301.

- ❑ Physical Properties per TAS 110 **See Note 2**.
- ❑ Uplift Testing for TAS 103 underlayment (Optional for all other Underlayments) shall be in accordance with ANSI FM 4474 or UL1897 **See Note 3**.

Notes:

1. If multiple manufacturing locations for the product being approved are to be included in the approval document, then testing must be performed and submitted for the manufactured product from each location.
2. Exposure Limitations greater than 30 days (90 days for ASTM D8257 underlayments) will be established as specified within the applicable footnote within TAS 110 Tables 9, 10, 11 and 17.
3. Uplift Testing submitted to support an Underlayment Uplift Design Pressure will accept 1 specimen achieving a minimum -45 psf. (after applying 2:1 safety factor). Only the 12'x24' uplift testing supported Uplift Design Pressure may be extrapolated in accordance with RAS 117 for P2 & P3 enhanced pressure zones.



Roofing Underlayment Component NOA Checklist: Frequently Asked Questions:

- Are all underlayments required to have an uplift value in the NOA?
 - Only TAS-103 underlayments will require uplift testing. For all other non-TAS 103 underlayments, uplift testing is optional.
- What are the uplift testing requirements for underlayments (non-TAS 103 Self Adhered membranes) to include assemblies with uplift values?
 - Uplift testing per ANSI FM 4474 and ANSI UL 1897 from a Miami-Dade approved lab must be submitted to specify an approved assembly which contains an uplift value.
- What specific uplift testing is required and accepted for all underlayments to include approved assemblies with uplift values applied to a wood deck substrate in a component underlayment NOA?
 - 5'x9', 10'x10' or 12'x24' Uplift testing per ANSI FM 4474 and ANSI UL 1897 is required for all underlayments to include approved assemblies with uplift values applied to a wood deck substrate.
- Will 2'x2' bonded pull uplift testing be accepted to include approved assemblies with uplift values applied to wood or steel deck substrates?
 - No, we will only accept 2'x2' bonded pull uplift testing to include adhered approved assemblies with uplift values applied to monolithic substrates such as concrete and lightweight concrete.
- What should be included in the description of the *uplift-tested* approved assembly in the test report and the Component Underlayment NOA?
 - The same test specimen descriptions as required for continuous roofing system approvals and deck descriptions in system NOAs will be required and included for approved assemblies with uplift values in Component Underlayment NOAs.
- What are the requirements for listing of prescribed felts (such as D226 asphalt felts) in uplift test reports and Component Underlayment NOAs for approved assemblies with uplift values?
 - Prescribed felts must be fully identified by brand name and provide the applicable Physical Properties Testing (per TAS 110) from a Miami-Dade approved lab if they are included in uplift testing to support approved assemblies with uplift values in Component Underlayment NOAs
- If sufficient D226 felt samples are tested for criticality can the component NOA list the D226 in a generic fashion instead of by specific brand(s) for approved assemblies with uplift values?
 - To qualify the listing of prescribed felts (such as D226 asphalt felts) in a generic fashion instead of by specific product name; 10 different felts must be identified to include in a comparative adhesion and/or pull-through testing program to identify critical felt(s) to include in the applicable uplift testing that will support the approved assemblies with uplift values in Component Underlayment NOAs.
- What must be provided to support and accept the inclusion for extrapolation language for perimeter and corner conditions in approved assemblies with uplift values in Component Underlayment NOAs?
 - 12x24 uplift testing from a Miami-Dade approved lab with a specimen that includes a mechanically fastened anchor sheet must be provided to qualify the inclusion of extrapolation language for perimeter and corner conditions in an approved assembly with uplift values in Component Underlayment NOAs.