

# ECOLOGY SPECIFICATION SELECTIONS

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### 3.1 **GENERAL:**

The specifications on the following pages fall into four basic categories:

- ✓ Series 1000 Specifications - Built-up Roof Systems
- ✓ Series 2000 Specifications - SBS Hot & Cold Process Modified Systems
- ✓ Series 2002 Specifications - Two Ply SBS Glass Cap Modified Systems
- ✓ Series 3000 Specifications - SBS Torch Applied Modified Systems

They constitute the basic configurations being offered by Ecology Roof Systems®. Should the specification writer require additional plies or other modifications in these basic specifications, please contact the Manager of Technical Services for written approval.

### 3.2 **SPECIFICATION SELECTION:**

To select a specification or to request a revision, use the following procedures and guidelines:

1. *Select The Series (1000, 2000, 2002, or 3000)*
2. *Select The Ply Requirements (Base Plies Plus Cap Membrane)*
3. *Select The Substrate Type*
4. *Select The Surfacing Desired*

### 3.3 **EXAMPLE AND SPECIFICATION LEGEND**

Listed below is the legend used to develop all Ecology specifications. Specification 2000-3-IN-M is shown below, which is a Series 2000 Mop or Cold Applied Modified System, constructed with three system plies (two Ecology Base Plies and an applicable Ecology Cap Membrane). The roofing plies are placed over an approved insulation. In this case the insulation becomes the Substrate rather than the deck type. The surfacing for this system is the mineral surface found on the factory-finished cap membrane.

You will need to check the most recent UL, FM, Dade County, Intertek Testing Listings to determine which Ecology membrane combinations qualify for the needed certification.

#### **EXAMPLE: 2000-3-IN-M**

System Plies Desired	Series	Type Of Substrate	Type Of Surfacing
-1 = 1 Ply	1000	IN	-M = Mineral
-2 = 2 Ply	2000	ND	-C = Coated
-3 = 3 Ply	2002	LWT	-G = Gravel
-4 = 4 Ply	3000	CON	-P = Protected Membrane
		INRC	
		NDRC	

# ECOLOGY ROOF SYSTEMS®

## MODIFIED SYSTEM SPECIFICATIONS ILLUSTRATED IN THIS MANUAL

**Note:** Always follow Ecology's General Design Recommendations and the Individual Specification Page requirements for determining the proper membrane combinations and installation methods for a specific product. Where allowed, torch applied base sheets and cap membranes must be welded to non-combustible surfaces, sufficient thickness base membranes or insulation designed for torch application.

TYPE OF SUBSTRATE	ECOLOGY SPECIFICATION	NO. PLIES	ECOLOGY "ERS" BASE MEMBRANE(S)	ECOLOGY "ERS" CAP MEMBRANE	SURFACE FINISH
<b>I N S U L A T E D</b>	2000-2-IN-M	2	Select one: ERS-500, 500-4, 500-6, 500-6P, 501, or 503	Either ERS-501, 502, 503, 504, 604, or 703	Mineral Coated Graveled
	2000-2-IN-C	2			
	2000-2-IN-G	2			
	2000-3-IN-M	3	Select two: ERS-400, 400-6, 401, 500, 500-4, 500-6, 500-6P, 501, or 503	Either ERS-501, 502, 503, 504, 604, or 703	Mineral Coated Graveled
	2000-3-IN-C	3			
	2000-3-IN-G	3			
	2002-2-IN-M	2	Select one: ERS-500-6, 500-6P	Either ERS-505 or 507	Mineral Coated Graveled
	2002-2-IN-C	2			
	2002-2-IN-G	2			
	3000-2-IN-M	2	Select one: ERS-401, 500, 500-4, 500-4T, 500-6, 500-6P, 500-6T, 501, or 503	Either ERS-600, 601, 602, 603, 604T, or 703	Mineral Coated Graveled
	3000-2-IN-C	2			
	3000-2-IN-G	2			
3000-3-IN-M	3	Select two: ERS-400, 400-6, 401, 500, 500-4, 500-4T, 500-6, 500-6P, 500-6T, 501, 503, or 602	Either ERS-600, 601, 602, 603, 604T, or 703	Mineral Coated Graveled	
3000-3-IN-C	3				
3000-3-IN-G	3				
<b>N A I L A B L E</b>	2000-2-ND-M	2	Select one: ERS-401, 500, 500-4, 500-6, 500-6P, 501, or 503	Either ERS-501, 502, 503, 504, 604, or 703	Mineral Coated Graveled
	2000-2-ND-C	2			
	2000-2-ND-G	2			
	2000-3-ND-M	3	Select two: ERS-401, 500, 500-4, 500-6, 500-6P, 501 or 503	Either ERS-501, 502, 503, 504, 604, or 703	Mineral Coated Graveled
	2000-3-ND-C	3			
	2000-3-ND-G	3			
	2002-2-ND-M	2	Select one: ERS-500-6, 500-6P	Either ERS-505 or 507	Mineral Coated Graveled
	2002-2-ND-C	2			
	2002-2-ND-G	2			
	3000-2-ND-M	2	Select one: ERS-500-4, 500-4T, 500-6, 500-6P, 500-6T, 501, or 503	Either ERS-600, 601, 602, 603, 604T, or 703	Mineral Coated Graveled
	3000-2-ND-C	2			
	3000-2-ND-G	2			
3000-3-ND-M	3	Select two: ERS-400, 400-6, 401, 500, 500-4, 500-4T, 500-6, 500-6P, 500-6T, 501, 503, or 602	Either ERS-600, 601, 602, 603, 604T, or 703	Mineral Coated Graveled	
3000-3-ND-C	3				
3000-3-ND-G	3				

<b>N O N N A I L A B L E</b>	2000-2-CON-M	2	Select one: ERS-401, 500, 500-4, 500-6, 500-6P, 501, or 503	Either ERS-501, 502, 503, 504, 604, or 703	Mineral Coated Graveled
	2000-2-CON-C	2			
	2000-2-CON-G	2			
	2000-3-CON-M	3	Select two: ERS-400, 400-6, 401, 500, 500-4, 500-6, 500-6P, 501, or 503	Either ERS-501, 502, 503, 504, 604, or 703	Mineral Coated Graveled
	2000-3-CON-C	3			
2000-3-CON-G	3				
2002-2-CON-M	2	Select one: ERS-500-6, 500-6P	Either ERS-505 or 507	Mineral Coated Graveled	
2002-2-CON-C	2				
2002-2-CON-G	2				
3000-2-CON-M	2	Select one: ERS-401, 403, 500, 500-4, 500-4T, 500-6, 500-6P, 500-6T, 501, 503, or 602	Either ERS-600, 601, 602, 603, 604T, or 703,	Mineral Coated Graveled	
3000-2-CON-C	2				
3000-2-CON-G	2				
3000-3-CON-M	3	Select one: ERS-401, 403, 500, 500-4, 500-4T, 500-6, 500-6P, 500-6T, 501, 503, or 602	Either ERS-600, 601, 602, 603, 604T, or 703	Mineral Coated Graveled	
3000-3-CON-C	3				
3000-3-CON-G	3				
<b>L I G H T  W E I G H T</b>	2000-2-LWT-M	2	Select one: ERS-403, 500-4, 500-6, 500-6P, 501, or 503	Either ERS-501, 502, 503, 504, 604, or 703	Mineral Coated Graveled
	2000-2-LWT-C	2			
	2000-2-LWT-G	2			
	2000-3-LWT-M	3	Select two: ERS-401, 403, 500, 500-4, 500-6, 500-6P, 501 or 503	Either ERS-501, 502, 503, 504, 604, or 703	Mineral Coated Graveled
	2000-3-LWT-C	3			
	2000-3-LWT-G	3			
	2002-2-LWT-M	2	Select one: ERS-500-6, 500-6P	ERS-505 or 507	Mineral Coated Graveled
	2002-2-LWT-C	2			
	2002-2-LWT-G	2			
	3000-2-LWT-M	2	Select one: ERS-403, 500, 500-4, 500-4T, 500-6, 500-6P, 500-6T, 501, 503, or 602	Either ERS-600, 601, 602, 603, 604T, or 703	Mineral Coated Graveled
3000-2-LWT-C	2				
3000-2-LWT-G	2				
3000-3-LWT-M	3	Select one: ERS-400, 400-6, 401, 403, 500, 500-4, 500-4T, 500-6, 500-6P, 500-6T, 501, 503, or 602	Either ERS-600, 601, 602, 603, 604T, or 703	Mineral Coated Graveled	
3000-3-LWT-C	3				
3000-3-LWT-G	3				
<b>I N S U L A T E D  R E C O V E R</b>	2000-2-INRC-M	2	Select one: ERS-500, 500-4, 500-6, 500-6P, 501, or 503	Either ERS-501, 502, 503, 504, 604, or 703	Mineral Coated Graveled
	2000-2-INRC-C	2			
	2000-2-INRC-G	2			
	2000-2-INRC-M	3	Select two: ERS-400, 400-6, 401, 500, 500-4, 500-6, 500-6P, 501, or 503	Either ERS-501, 502, 503, 504, 604, or 703	Mineral Coated Graveled
	2000-2-INRC-C	3			
	2000-2-INRC-G	3			
	2002-2-INRC-M	2	Select one: ERS-500-6, 500-6P	ERS-505 or 507	Mineral Coated Graveled
	2002-2-INRC-C	2			
	2002-2-INRC-G	2			
	3000-2-INRC-M	2	Select one: ERS-401, 500, 500-4, 500-4T, 500-6, 500-6P, 500-6T, 501, 503, or 602	Either ERS-600, 601, 602, 603, 604T, or 703	Mineral Coated Graveled
3000-2-INRC-C	2				
3000-2-INRC-G	2				
3000-3-INRC-M	3	Select two: ERS-400, 400-6, 401, 500, 500-4, 500-4T, 500-6, 500-6P, 500-6T, 501, 503, or 602	Either ERS-600, 601, 602, 603, 604T, or 703	Mineral Coated Graveled	
3000-3-INRC-C	3				
3000-3-INRC-G	3				

<b>N A I L A B L E R E C O V E R</b>	2000-2-NDRC-M	2	Select one: ERS-500, 500-4, 500-6, 500-6P, 501, or 503	Either ERS-501, 502, 503, 504, 604, or 703	Mineral Coated Graveled
	2000-2-NDRC-C	2			
	2000-2-NDRC-G	2			
	2000-2-NDRC-M	3	Select two: ERS-400, 400-6, 401, 500, 500-4, 500-6, 500-6P, 501, or 503	Either ERS-501, 502, 503, 504, 604, or 703	Mineral Coated Graveled
	2000-2-NDRC-C	3			
	2000-2-NDRC-G	3			
	2002-2-NDRC-M	2	Select one: ERS-500-6, 500-6P	ERS-505 or 507	Mineral Coated Graveled
	2002-2-NDRC-C	2			
	2002-2-NDRC-G	2			
	3000-2-NDRC-M	2	Select one: ERS-401, 500, 500-4, 500-4T, 500-6, 500-6P, 500-6T, 501, 503, or 602	Either ERS-600, 601, 602, 603, 604T, or 703	Mineral Coated Graveled
	3000-2-NDRC-C	2			
	3000-2-NDRC-G	2			
3000-3-NDRC-M	3	Select two: ERS-400, 400-6, 401, 500, 500-4, 500-4T, 500-6, 500-6P, 500-6T, 501, 503, or 602	Either ERS-600, 601, 602, 603, 604T, or 703	Mineral Coated Graveled	
3000-3-NDRC-C	3				
3000-3-NDRC-G	3				