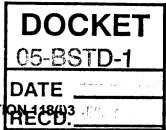
EXPRESS TERMS FOR

PROPOSED CHANGES TO THE 2005 BUILDING ENERGY EFFICIENCY STANDARDS CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 6, SECTI CALIFORNIA ENERGY COMMISSION



COOL ROOF COATINGS PERFORMANCE REQUIREMENTS

LEGEND FOR EXPRESS TERMS

- 1. Existing language all such language appears in regular text.
- 2. New amendments or code language all such language appears underlined.
- Repealed text all such language appears in strikeout.

EXPRESS TERMS

Section 101(b) - Add the following definitions:

ASTM D522 is the American Society of Testing and Materials document entitled, "Standard Test Methods for Mandrel Bend Test of Attached Organic Coatings," 2001 [ASTM D522-93a(2001)].

ASTM D1653 is the American Society of Testing and Materials document entitled, "Standard Test Methods for Water Vapor Transmission of Organic Coating Films," 2003 (ASTM D1653-03).

ASTM D2370 is the American Society of Testing and Materials document entitled, "Standard Test Method for Tensile Properties of Organic Coatings," 2002 [ASTM D2370-98(2002)].

Notation

Authority: Public Resources Code Sections 25213 and 25402 (a) and (b) Reference(s): Public Resources Code Sections 25213 and 25402 (a) and (b)

Section 118(i)3, Table 118-C

TABLE 118-C MINIMUM PERFORMANCE REQUIREMENTS FOR LIQUID APPLIED ROOF COATINGS

Physical Property	ASTM Test Procedure	Requirement
Initial percent elongation (break)	D 2370	Minimum 60% 0 °F (-18 °C)
		Minimum 200% 73 °F (23 °C)
Initial percent elongation (break)	D 2370	Minimum 60% 0 °F (-18 °C)
<u>OR</u>		
Initial flexibility	D 522, Test B	Minimum pass 1" mandrel 0°F (-18°C)
Initial tensile strength (maximum stress)	D 2370	Minimum 100 psi (1.38 Mpa) 73 °F (23 °C)
		Minimum 200 psi (2.76 Mpa) 0 °F (-18 °C)
Final percent elongation (break) after accelerated weathering 1000 h	D 2370	Minimum 40% 0°F (-18°C)
		Minimum 100% 73 °F (23 °C)
Final percent elongation (break) after accelerated	D 2370	Minimum 40% 0°F (-18°C)
weathering 1000 h		
OR		
Flexibility after accelerated weathering 1000 h	D 522, Test B	Minimum pass 1" mandrel 0°F (-18°C)
Permeance	D 1653	Maximum 50 perms
Accelerated weathering 1000 h	D 4798	No cracking or checking ¹
¹ Any cracking or checking visible to the eye fails the	test procedure.	

Notation

Authority: Public Resources Code Sections 25213 and 25402 (a) and (b) Reference(s): Public Resources Code Sections 25213 and 25402 (a) and (b)

Appendix 1-A – Add the following references under American Society for Testing and Materials:

ASTM D522-93a(2001) Standard Test Methods for Mandrel Bend Test of Attached Organic Coatings (2001)

ASTM D1653-03 Standard Test Methods for Water Vapor Transmission of Organic Coating Films (2003)

ASTM D2370-98(2002) Standard Test Method for Tensile Properties of Organic Coatings (2002)

Notation

Authority: Public Resources Code Sections 25213 and 25402 (a) and (b) Reference(s): Public Resources Code Sections 25213 and 25402 (a) and (b)