



ข้อกำหนดที่ ทล.-ก. 405/2538

**Specification for Elastomeric
Modified Asphalt Emulsion**

ปีที่จัดทำ พ.ศ. 2538



คลังความรู้

มาตรฐาน ข้อกำหนด
คู่มือกลาง

ข้อกำหนดวัสดุ (ทล.-ก.)



สำนักมาตรฐานและประเมินผล

กรมทางหลวง กระทรวงคมนาคม

Specification for Elastomeric Modified Asphalt Emulsion

Item No.	Properties	Units	Elastomeric Modified CSS-1 or CSS-1h (Quick Setting)		Test Method
			Minimum	Maximum	
	<u>Test on Emulsion</u>				
1.	Viscosity, Saybolt Furol at 25 C	Sec.	20	100	DH-T 407
2.	Settlement 7 Days *	% Wt.	-	15	ASTM D 244
3.	Storage Stability Test, 24 hrs. **	% Wt.	-	1.5	ASTM D 244
4.	Sieve Test (Retained on 20 Mesh)	% Wt.	-	0.1	ASTM D 244
5.	Particle Charge Test	-	Positive		ASTM D 244
6.	Asphalt Content by Evaporation	% Wt.	60	-	ASTM D 244
7.	Solid Polymer Content	% Wt.	3.5	-	Certificate
	<u>Test on Residue</u>				
8.	Softening Point	C	60	-	ASTM D 36
9.	Elastic Recovery	%	30	-	NLT 329/91***
10.	Penetration, 25 C, 100 g, 5 sec.	0.1 mm.	40	100	DH-T 403
11.	Ductility at 25 C, 5 cm./min.	cm.	40	-	DH-T 405
12.	Solubility in Trichloroethylene	% Wt.	97.5	-	DH-T 409

Note * The test requirement for settlement may be waived when the material is used in less than 7 days time.

** This test requirement on representative samples is waived if successful application of the material has been achieved in the field (From ASTM D 2397-94). The material will be considered acceptable if it passes ASTM D 1664 "Standard Test Method Coating and Stripping-mixture"

*** Refer to the National Laboratory of Transportation Madrid, Spain.