

13.3.2008 Katri Eskola

Implementing European Asphalt Standards in Finland

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Asphalt Contract Types

- **Traditional** **Guarantee period 2 years**
- **Design and Build** **Guarantee period 3...5 years**
- **Long Term Contract** **10...15 years**

CE Marking

- **Not obligatory for Asphalt Mixtures**
- **Required for**
 - **Asphalt Aggregates**
 - **Bitumen when possible**



FINNRA Asphalt Contracts 2006

Mixture Types	New surface (km)	Typical ADT (vehicles/day)
SMA	500	> 5000
AC	1600	1500 - 5000
SA	1700	< 1500

FINNRA implements EN 13108

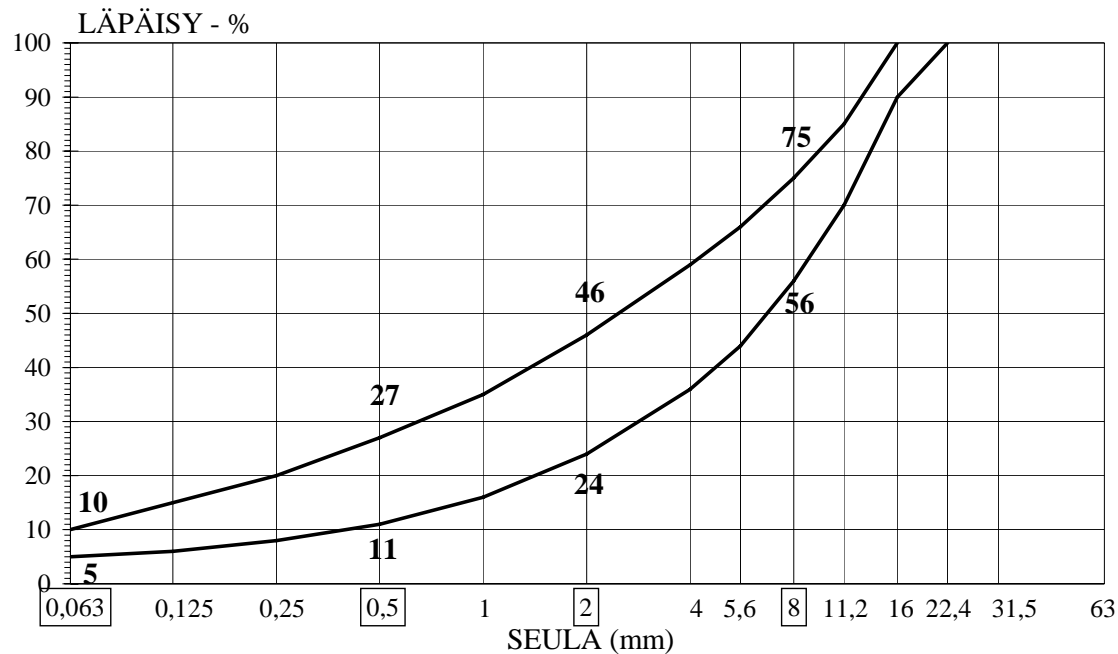
Finnish Asphalt Specifications 2008



Based on Agreement

Asphalt Concrete AB 16

Binder	Binder Content	Layer thickness
Bitumen 35/50...160/220 KB65, KB75 (=PMB s)	5,0...6,0 %	80...125 kg/m ²
CE marking; for example	Minimum binder content (category)	
AC 16 surf 70/100	B _{min5,0} ; B _{min5,2} ; B _{min5,4} ; B _{min5,6} ; B _{min5,8} ; B _{min6,0}	



Specified Requirements

Property		AC	SMA	SA	MA
Binder Content	SFS-EN 12697-1	X	X	X	X
Grading	SFS-EN 12697-2	X	X	X	X
Void Content	SFS-EN 12697-8	X	X	X	
Voids filled with bitumen VFB		X	X		
Void Content of Gyratory compacted specimens	SFS-EN 12697-8 & -	X	X		
³¹ Resistance to abrasion by studded tyres		X	X		
SFS-EN 12697-16					
Water Sensitivity	SFS-EN 12697-12	X	X	X	
Permanent Deformation	SFS-EN 12697-21				X
Resistance to permanent deformation		X	X		
SFS-EN 12697-22, small device B in air					

SUMMARY

Finnish Asphalt Specifications 2008

- National Guideline Document for EN 13108
- Linked the standards into application

CE marking for Asphalt mixtures is not obligatory in Finland.

More Responsibility to Contractor by Long Term Contract