



IRISH TAR

BRINGING QUALITY TO THE SURFACE

PENETRATION GRADE BITUMENS

Penetration Grade Bitumens are the standard binders used in the manufacture of asphalt & macadam.



Penetration Grade	Typical Use
30-45	High Modulus Base Courses / Mastic Asphalt
40-60	Hot Rolled Asphalt / Dense Base Course Macadam Heavy Duty Macadam / Pre-coated Chipping Join Sealant
70-100	Macadam / Asphalt Concrete Polymer Binder Bases
100-150	Dense Base Course Macadam Polymer Binder Bases
160-220	Macadam / Emulsions / Polymer Binder Bases



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SPECIFICATION

Penetration Grade Bitumens comply with the requirements of I.S. EN12591: 2009.

Property	Grade Designation				
	30/45	40/60*	70/100*	100/150	160/220*
Penetration @ 25 C°	30 - 45	40-60	70-100	100-150	160-220
Softening Point (C)°	52 - 60	48-56	43-51	39-47	35-43
Solubility min (%)	99.0	99.0	99.0	99.0	99.0
Resistance to Hardening, @ 163 C°:					
Change of mass, max %	0.5	0.5	0.8	0.8	1.0
Retained penetration, min %	53	50	46	43	37
Softening point after hardening, min %	54	49	45	41	37
Flash Point, min C°	240	230	230	230	220

* These Grades comply with the NRA Binder Specification RC 380/13 Table 2.

Recommended Temperature:

Recommended Storage Temperature 160°C

The storage temperature should not exceed 200°C



IRISH TAR

Available from

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Irish Tar & Bitumen Suppliers is registered to IS EN ISO 9001:2008 Quality Standard