



BITUCHEM BUILDING PRODUCTS LTD

MANUFACTURERS OF BITUMINOUS PRODUCTS

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TECHNICAL DATA SHEET POLBIT

POLBIT

A cationic bitumen emulsion in accordance with the SHW Clause 919 Intermediate Grade, BBA HAPAS certificate No 07/H129 and the other general requirements of BS EN 13808 for a C70BP3

POLBIT

Is to be used as an Intermediate Grade Surface Dressing Binder in accordance with SHW Clause 922

POLBIT

Rates of spread guidelines are given in SHW and Road Note 39

Requirement	Selected classes from Table 3
Perceptible properties	NPD – Class 0
Particle polarity	Positive – Class 2
Breaking Value	50 – 100 Class 3
Mixing stability with cement	NPD – Class 0
Fines mixing time	NPD – Class 0
Penetration power	NPD – Class 0
Binder content (by water content)	67 – 73 – No defined class
Recovered binder content (by distillation)	≥ 67 - Class 8
Oil distillate content	≤ 2.0 Class 2
Efflux time 2mm at 40 ° C	NPD – Class 0
Dynamic viscosity at 40 ° C	NPD – Class 0
Redwood 2 Viscosity at 85 ° C	20 – 40 (No defined Class)
Residue on sieving	≤ 0.1- 0.5mm Sieve Class 2 ≤ 0.5 – 0.16mm Sieve Class 3
Residue on sieving (seven days storage)	NPD – Class 0
Setting tendency	≤ 5 Class 2
Adhesivity	NPD – Class 0

Issue	1					
Date	08/12/11					
Approved	R. Lord					



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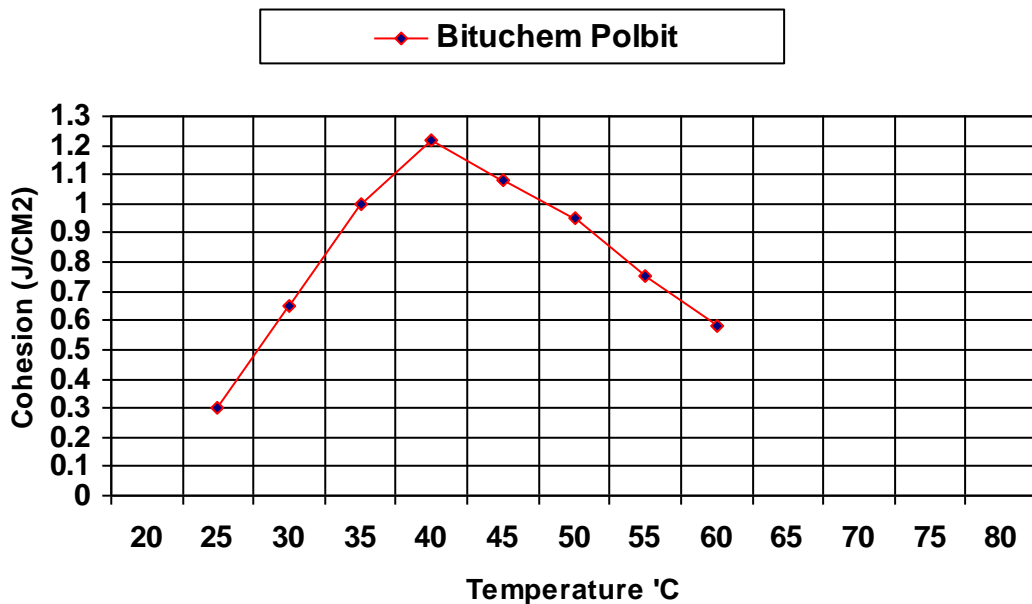
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Requirement	Selected classes from Table 4 (following evaporation)	Selected classes from Table 5 (following evaporation, stabilisation and aging)
Penetration	≤ 220 Class 5	NPD – Class 0
Softening point	≥ 39 – Class 5	NPD – Class 0
Efflux time (10mm cup at 40 °C)	NPD – Class 0	NPD – Class 0
Dynamic viscosity at 60 °C	NPD – Class 0	NPD – Class 0
Kinematic viscosity at 60 °C	NPD – Class 0	NPD – Class 0
Cohesion energy by tensile test	NPD – Class 0	NPD – Class 0
Cohesion energy by force ductility at 10 °C	NPD – Class 0	NPD – Class 0
Cohesion energy by force ductility at 25 °C	NPD – Class 0	NPD – Class 0
Cohesion by pendulum test	1.0 minimum	1.0 minimum
Elastic recovery at 10 °C	NPD – Class 0	NPD – Class 0
Elastic recovery at 25 °C	≥ 40 – Class 4	NPD – Class 0

COHESION PERFORMANCE

Typical Vialit cohesivity (Pendulum method) test results detailed below illustrates the improvements in cohesive strength that POLBIT provides in comparison with unmodified bitumen.



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