



Concrete Demoulding Oils Bitumen Emulsions

Concrete Demoulding Oils

Bitumen Emulsions

Pilot 261 / Pilot 291 / Pilot 321 / Pilot 299 / Pilot 329

Pilot® Oils 261, 291 and 321 offer the formulator options with low viscosity, low odour, narrow boiling ranges and controlled flash point, ideal for use in [concrete demoulding oils](#). These high quality oils contribute to an improved surface finish of precast and site-cast concrete structures, whilst maintaining a safe working environment for operators.

Pilot® Oils 299 and 329 are used extensively in both hot and cold-pour bitumen emulsion blending, for producers formulating [road re-surfacing and jointing compounds](#). Latex-modified bitumen emulsions require excellent plasticity characteristics, which our highly aromatic Pilot® Oil grades ensure during the critical blending process.

Concrete Demoulding Oils

Properties	Unit	Pilot 261	Pilot 291	Pilot 321
Viscosity	mm ² s	2.32	3.7	3.9
Density @ 15°C	g/mL	0.818	0.819	0.820
Boiling Range	°C	236-272	256-305	275-320
Flash Point	°C	100	115	125
Pour Point	°C	-31	-16	-9
Aromatics Content	% volume	<0.3	<0.5	0.4
FDA	178.362	C	B	C
% VOC	%	0	0	0
Group	1/2/3/4	1	1	1

Bitumen emulsions

Properties	Unit	Pilot 299	Pilot 329
Viscosity	mm ² s	4.8	4.3
Density @ 15°C	g/mL	0.832	0.834
Boiling Range	°C	260-293	280-325
Flash Point	°C	122	138
Pour Point	°C	-32	-15
Aromatics Content	% volume	18	11
FDA	178.362	C	C
% VOC	%	0	0
Group	1/2/3/4	1	1

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