



# TECHNOLOGIES IN FLUOROCHEMICAL SPECIALTIES



## STONE MARBLE AND CONCRETE PROTECTOR

technical data

14.01

12.01

10.81

12

9 F 18.99

O 16.00

14.01

12.01

10.81

12

16 S 32.07

14 Si 28.09

13 Al 27.00

15 P 30.97

12



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PRODUCT	DESCRIPTION	SOLID %	SOLVENT	IONIC NATURE	DENSITY (25°C)	pH	DOSAGE %	SOLUBILITY	COMMENTS
PDM 180	(meth)acrylic	24 - 26	Butyl Acetate	-	0,96	-	5-10 %	Hydrocarbons, Isoparaffins, Ester, Ketones, Heptane, Toluene, Xylene, Dipropylenglycol Monomethylether, 2-propanol	Excellent hydro-oil repellent for natural stone especially for compact stone like marble and granite. Targeted below LOD for PFOA.
PDM 282	pure methacrylic	24 - 26	DPM Metyl D72	-	0,92	-	5-10 %	Hydrocarbons, Isoparaffins, Ester, Ketones, Heptane, Toluene, Xylene	High Flash point (→ 70°C) excellent hydro-oil repellent for natural stone especially for compact stone like marble and granite, Low odor. Lower evaporation rate for increasing penetration.
PDM 280	pure methacrylic	24 - 26	Butyl Acetate	-	0,95	-	5-10 %	Hydrocarbons, Isoparaffins, Ester, Ketones, Heptane, Toluene, Xylene	Excellent hydro-oil repellent for natural stone especially for compact stone like marble and granite. Higher UV-resistance due to the pure methacrylic structure
PDM 210	(meth)acrylic	24 - 26	Water Tert-Butanol	Cationic	1,02	6 - 7	5-10 %	Water	Excellent hydro-oil repellent for natural stone especially for porous stone like limestone and sandstone. To give a wet effect to the treated stone put together cationic/nonionic high gloss water based acrylic polymer. Preferably store at room temperature because of the presence of tert-butanol that leads to an increase in the viscosity of the product at temperature below 10 - 15°C
PDM 211	(meth)acrylic	24 - 26	Water Hexasol	Cationic	1,06	5 - 6	5-10 %	Water, T-butanol	Excellent hydro-oil repellent for natural stone especially for porous stone like limestone and sandstone. To give a wet effect to the treated stone put together cationic/nonionic high gloss water based acrylic polymer. If applied in more hands it can give a little wet effect. Low minimum forming temperature (MFFT). No problem of freezing
PDM 230	(meth)acrylic	24 - 26	Water Tert-Butanol	Anionic	1,03	7 - 8	5-10 %	Water	Excellent hydro-oil repellent for natural stone especially for porous stone like limestone and sandstone. Preferably store at room temperature because of the presence of tert-butanol that leads to an increase in the viscosity of the product at temperature below 10 - 15°C. It can be formulated inside paint, varnishes, wax to increase hydro-oil repellency. Improve also color stability of exterior paint (verified with a xenon test). It can be formulated for wood protection. Stable until pH of 13,5.
PDM 240	(meth)acrylic	24 - 26	Water	Cationic	1,09	5 - 6	5-10 %	Water	Excellent hydro-oil repellent for natural stone especially for porous stone like limestone and sandstone. With long term storage add a biocide to the diluted product. Good antigraffiti properties. If applied in more hands it can give a little wet effect. To increase the penetration of the product into the stone dilute with different proportion of water/Isopropanol.
PDM 290	(meth)acrylic siloxane	24 - 26	Water N-Ethyl Pyrrolidone	Cationic	1,09	4,5 - 6,5	5-10 %	Water	Excellent hydro-oil repellent with very good perlant effect for natural stone especially for porous stone like limestone and sandstone. To give a wet effect to the treated stone put together cationic/nonionic high gloss water based acrylic polymer. It can be formulated for wood protection. No problem of freezing. Stir before use.
PDM 390	(meth)acrylic siloxane	24 - 26	Water	Cationic	1,10	4,5 - 6,5	5-10 %	Water	Excellent hydro-oil repellent with very good perlant effect for natural stone especially for porous stone like limestone and sandstone. To give a wet effect to the treated stone put together cationic/nonionic high gloss water based acrylic polymer. It can be formulated for wood protection. No problem of freezing. Silane monomers into the polymer skeleton increase the adhesion of the dried coating to limestone, concrete... Stir before use.

**APPLICATIONS : Surface Protection Agent**

PRODUCT	DESCRIPTION	SOLID %	SOLVENT	IONIC NATURE	DENSITY [25°C]	pH	DOSAGE %	SOLUBILITY	COMMENTS
6210	(meth)acrylic	24 - 26	Water Ter-Butanol	Cationic	1,03	6 - 7	5-10 %	Water 2-propanol Ter-Butanol	Excellent hydro-oil repellent for natural stone especially for porous stone like limestone and sandstone. To give a wet effect to the treated stone put together cationic/nonionic high gloss water based acrylic polymer. Preferably store at room temperature because of the presence of tert-butanol that leads to an increase in the viscosity of the product at temperature below 10 - 15°C. Targeted below LOD for PFOA
6211	(meth)acrylic	24 - 26	Water Hexasol	Cationic	1,05	5 - 6	5-10 %	Water T-butanol glicole esilenico	Excellent hydro-oil repellent for natural stone especially for porous stone like limestone and sandstone. To give a wet effect to the treated stone put together cationic/nonionic high gloss water based acrylic polymer. If applied in more hands it can give a little wet effect. Low minimum forming temperature (MFFT). No problem of freezing. Targeted below LOD for PFOA.
6230	(meth)acrylic	24 - 26	Water Tert-Butanol	Anionic	1,03	7 - 9	5-10 %	Water Ter-Butanol	Excellent hydro-oil repellent for natural stone especially for porous stone like limestone and sandstone. In some case it could give a very little wet effect. Preferably store at room temperature because of the presence of tert-butanol that leads to an increase in the viscosity of the product at temperature below 10 - 15°C. It can be formulated inside paint, varnishes, wax to increase hydro-oil repellency. Improve also color stability of exterior paint (verified with a xenon test). It can be formulated for wood protection. Stable until pH of 13,5. Targeted below LOD for PFOA.
6240	(meth)acrylic	24 - 26	Water	Cationic	1,08	4,5 - 5,5	5-10 %	Water 2-propanol Ter-Butanol Hexylene glycol	Excellent hydro-oil repellent for natural stone especially for porous stone like limestone and sandstone. With long term storage add a biocide to the diluted product. Good antigraffiti properties. If applied in more hands it can give a little wet effect. To increase the penetration of the product into the stone dilute with different proportion of water/Isopropanol. Targeted below LOD for PFOA.
6280	Pure methacrylic	24 - 26	Butyl Acetate	-	0,95	-	5-10 %	Hydrocarbons, Isoparaffins, Ester, Ketones, Heptane, Toluene, Xylene, Dipropylenglycol Monomethylether, 2-Propanol	Excellent hydro-oil repellent for natural stone especially for compact stone like marble and granite. Targeted below LOD for PFOA.
6282	Pure methacrylic	24 - 26	DPM Metryl D72	-	0,92	-	5-10 %	Low-medium hydrocarbons, Ester, Ketones, Heptane, Toluene, Xylene, Dipropylenglycol Monomethylether, 2-Propanol	High Flash point (→ 70°C) excellent hydro-oil repellent for natural stone especially for compact stone like marble and granite, Low odor. Lower evaporation rate for increasing penetration. Targeted below LOD for PFOA.
6380	Pure methacrylic	24 - 26	Butyl Acetate	-	0,95	-	5-10 %	Ester, Ketones, Dipropylenglycol Monomethylether	Excellent hydro-oil repellent for natural stone with a higher Tg (Glass transition temperature) in comparison to the others solvent based products. Indicated especially for compact stone (marble, granite) and rigid stone (tile, porcelain). Targeted below LOD for PFOA.
6390	(meth)acrylic silane	24 - 26	Water	Cationic	1,08	4,5 - 6,5	5-10 %	Water, 2-propanol, T-butanol	Excellent hydro-oil repellent for natural stone with a higher Tg (Glass transition temperature) in comparison to the others solvent based products. Indicated especially for compact stone (marble, granite) and rigid stone (tile, porcelain). Targeted below LOD for PFOA.
S30	(meth)acrylic siloxane	48 - 50	Butyl Acetate	-	0,91	-	5-10 %	Hydrocarbons, Isoparaffins, Ester, Ketones, Heptane, Toluene, Xylene, Dipropylenglycol Monomethylether, 2-propanol	Solution of siloxane fluorinated polymer for porous stone materials for building construction market. With its good penetration can be used as a water repellent agent and anti-stain especially on concrete and masonry surfaces. Siloxane moieties increase the adhesion of the polymer to these substrates. Targeted below LOD for PFOA
S40	(meth)acrylic siloxane	30 - 33	Water	Cationic	1,04	4,5 - 6,5	15-35%	Water	Water emulsion of siloxane fluorinated polymer for porous stone materials for building construction market. With its good penetration can be used as a water repellent agent and anti-stain especially on concrete and masonry surfaces. Siloxane moieties increase the adhesion of the polymer to these substrates. Targeted below LOD for PFOA