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Acronal® 7026G
for Elastomeric wall coatings
安固力 **7026G** 用于弹性涂料

March 2019

Acronal® 7026G

Acronal® 7026G 是一种细小粒径的低粘度乳液聚合物。这种乳液膜在各种温度条件下，特别是在气候寒冷地区都能保持良好弹性。它与颜填料相容性非常好，具有很强的颜填料的承载能力。Acronal® 7026G 形成的涂膜具有优异的耐水、耐碱和抗风化性能。其配制的弹性墙面漆具有细微裂纹桥接功能，同时由于运用了紫外光表面交联技术，即便在热的天气和污染严重的环境中表现出很强的耐沾污性能。

优点

- 不含APEO和甲醛
- 长效保护性涂层
- 满足气候寒冷地区低温条件下的弹性要求
- 较低维护费用
- 可用于面涂和中涂

特点

- 优异的耐候性
- 在各种温度条件下高弹性和耐沾污性的最优平衡
- 出色的稳定性，耐水性和耐碱性优良
- 优异的抗风化性
- 良好的水蒸汽透过性



Application 弹性外墙涂料



MFFT (°C) < 3



pH value 7.0 – 9.0



Viscosity (mPas) 1000 - 6000



Particle size (µm) 约0.1

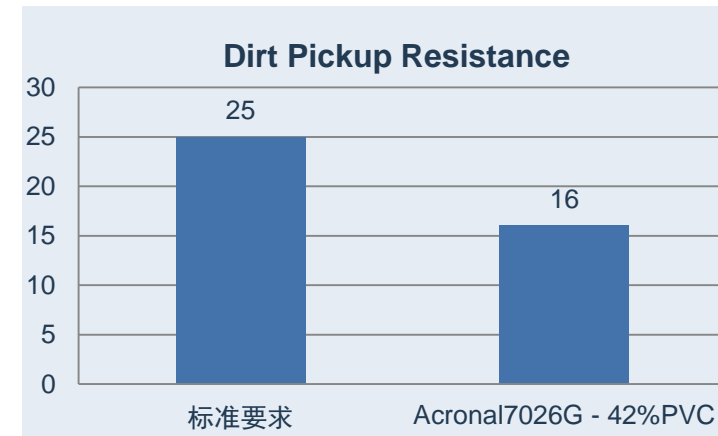
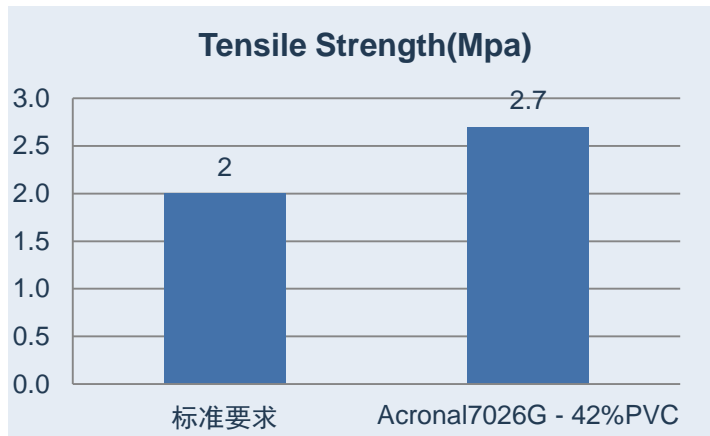
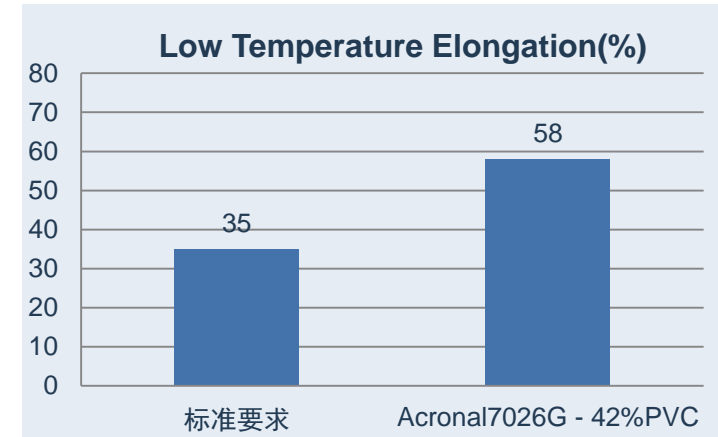
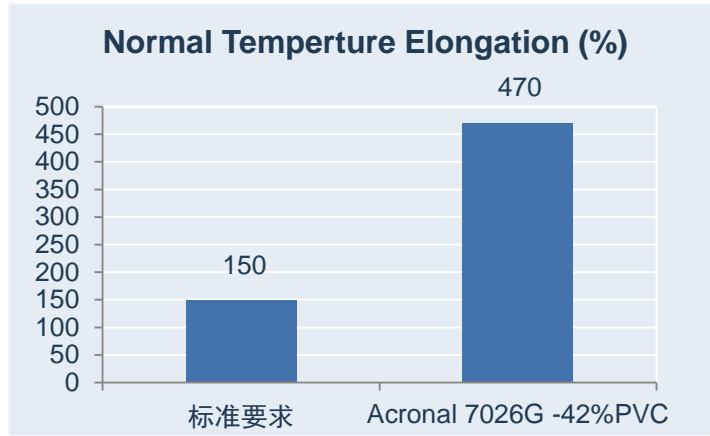


Solids content (%) 50

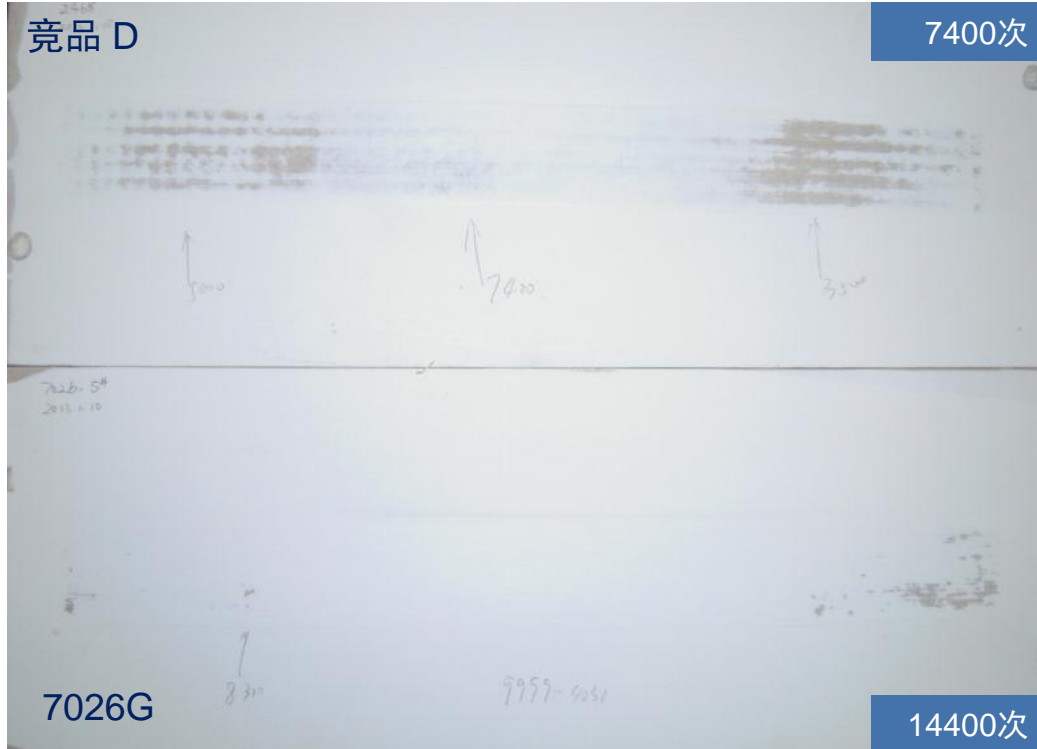
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Acronal® 7026G for Elastomeric JG/T172-2014 - PVC42, 38%乳液



Acronal® 7026G for Elastomeric GB耐洗刷性 – PVC42

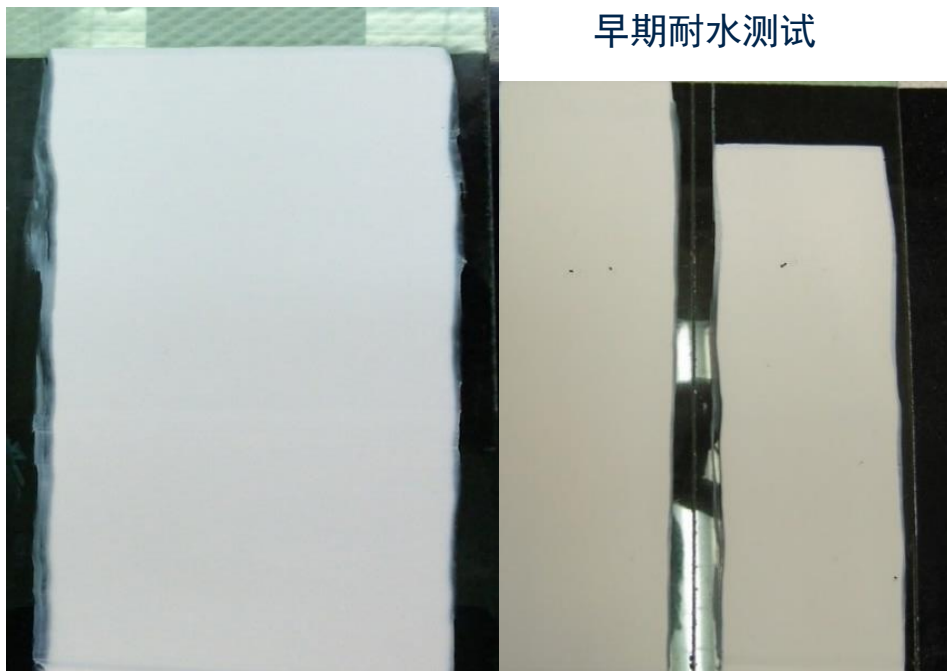


Binder: 38%, PVC: 42
乳液加量: 38%
PVC约 42

Acronal 7026G performs better
wet scrub resistance
7026G具有更好的耐洗刷性。

Acronal[®] 7026G for Elastomeric

早期耐水性



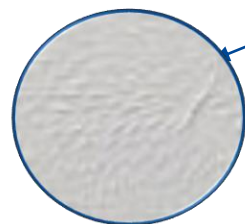
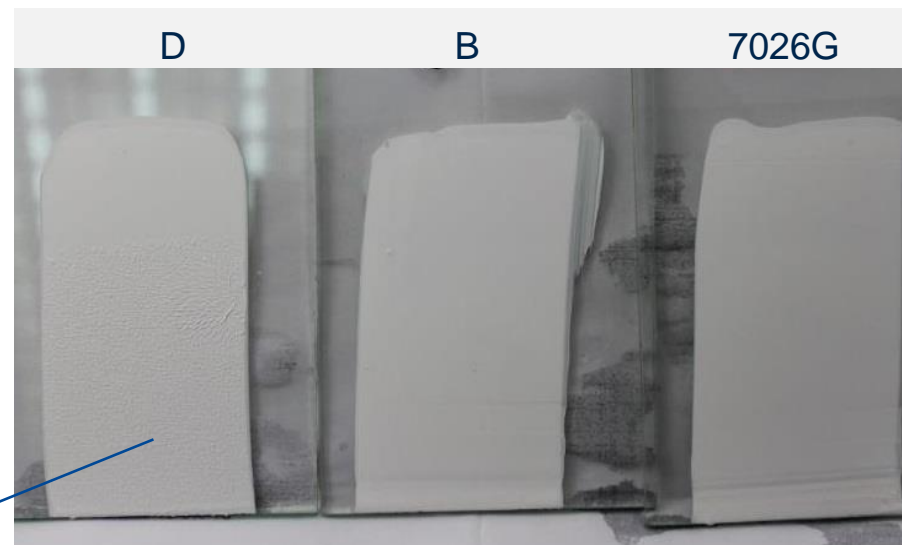
早期耐水测试

涂料热储2周后测试
浸水120hrs后

浸水120hrs后

- 200um wet thickness film on glass panel.
- Dry at 50C oven for 24hrs.
- Cooling to RT, immerse in water.
- Check the surface after 24,48,72hrs.

- 玻璃板表面涂布200um厚度涂料。
- 50C烘干24小时。
- 冷却到室温，浸水。
- 检查浸水后表面状态。



Internal

Acronal® 7026G for Elastomeric

早期耐雨痕性

早期耐雨痕测试



- Tint the paint with 2% black colorant.
 - 200um wet film, dry at RT for 18hrs.
 - Then, a dropper(ca.5ml) flow against the surface.
 - Check the surface after dry in CTR.
-
- 涂料中加入2%黑色浆配色。
 - 200um湿膜厚度，室温干燥18小时。一滴管水（约5ml）流过表面。
 - 室温干燥后检查表面状态。

7026G shows better performance in early rain mark resistance.
7026G具有更好的初期耐雨痕性。

Acronal® 7026G for Elastomeric

户外天然曝晒，上海45度，12个月

		7026G	B	D
12个月	L	81.23	73.45	78.51
	a	0.19	0.87	0.66
	b	8.15	7.61	6.79
变化	ΔL	-13.91	-21.76	-17.36



Acronal[®] 7026G for Elastomeric

户外天然曝晒，上海45度



		7026G	B	D
16个月	L	81.02	70.82	76.72
	a	0.31	0.94	0.71
	b	6.66	7.31	6.24
变化	ΔL	-14.12	-24.39	-19.15

Acronal® 7026G for Elastomeric

户外天然曝晒，上海45度，30月



		7026G	B	D
30个月	L	87.73	81.14	84.17
	a	0.11	0.53	0.12
	b	5.1	6.47	6.04
变化	ΔL	-7.14	-14.07	-11.7

Results: Outside exposure

户外天然曝晒结果：6月，有机红



白漆+1%Luconly orange 2990

	ΔL	Δa	Δb	ΔE
Acronal 7026G	-3.09	-8.46	-3.11	9.53
Com D	-3.52	-12.25	-4.43	13.49
Com B	-1.8	-11.61	-4.16	12.46

户外6个月的曝晒结果说明，同样的配方及测试条件下，7026G具有更好的保色性。

Results: Outside exposure

户外天然曝晒结果：12月，有机红



	7026G	D	B
L	74.78	73.88	74.03
a	20.44	17.14	16.54
b	9.33	7.86	8.59
ΔL	-4.41	-5.83	-5.74
Δb	-3.64	-4.89	-4.26
Δa	-11.75	-14.43	-14.95
DE	13.07	16.31	16.57

Results: Outside exposure

户外天然曝晒结果: 24月, 有机红



	7026G	B	D
ΔL	-2.42	-1.66	-1.31
Δb	-5.17	-6.56	-6.58
Δa	-18.37	-21.12	-21.80
DE	19.24	22.18	22.81

Acronal® 7026G for Elastomeric

7026G测试结果汇总

按JG/T172-2014。乳液含量38%, PVC: 约42

	Test item	7026G
1	常温断裂伸长率, Normal temperature elongation(%)	470
2	常温拉伸强度, Normal temperature strength(MPa)	2.7
3	-10C断裂伸长率, Low temperature elongation(%)	58
4	耐沾污, DPUR(%)	16
5	耐洗刷, Scrub	14700
6	涂层耐温变性, Temperature change resistance	pass
7	对比率, Opacity	92.5%
8	耐水性, Water resistance	pass
9	耐碱性, Alkaline resistance	pass

Acronal® 7026G for Elastomeric

弹性平涂推荐配方

Ingredient	Dosage	Description	Supplier
Water	165	Water	
Natrosol 250HBR	2.5	增稠剂/HEC Thickener	Aqualon
AMP-95	1	pH调节剂/pH adjuster	DOW
Dispex® Ultra FA 4480	1	润湿剂/Wet agent	BASF
Dispex® AA4040	6	分散剂/Dispersant	BASF
Lomon 996	150	钛白粉/Titanium dioxide	Longmang
CC-1000	205	重钙/Calcium carbonate	Guangfu
CC-700	50	重钙/Calcium carbonate	Guangfu
Foamaster® MO NXZ	1.5	消泡剂/Defoamer	BASF
Acticide EPW	3	防霉剂/Fungicide	Thor
Acticide M.V	1.5	杀菌剂/Biocide	Thor
Acronal®7026G	380	合成乳液/Binder	BASF
Texanol	10	成膜助剂/Coalescent	Eastman
Rheovis® PU1291	3	增稠剂/HEUR Thickener	BASF
Propylene Glycol	10	丙二醇/Anti Freeze	
Foamaster® MO NXZ	1.5	消泡剂/Defoamer	BASF
Water	9		
Total	1000		



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