



euromere News



COMPOSITES BY PASSION !

MAY 2018

Chlorine Resistant Colored Gel Coat (CR) at EUROMERE for Pools & Spa!

by [Laurent Imbert]

New Eurogel Gel Coat for swimming pool industry

Swimming Pools Gel Coat are suffering from strong chemical media! Chlorinated water is an aggressive media, even higher when temperature is elevated.

Pigmented Gel Coat need specific formulation to provide a long lasting color cosmetic and gloss. We discovered that Marine Grade pigmented Gel Coat, usually used in this industry, cannot be transferred to Swimming pool area and give what customers are looking forward quality wise. Formulations need to be specific to withstand the pool chemical media.

Euromere has developed a range of Gel Coats specifically for the swimming pool industry. Those gelcoats called 'CR' for Chlorine Resistance, were tested according to the **Norm AS/N251838**.

NORM AS/N2S 18383 - Chlorine Resistant test

Chlorine test: test-method for determining the resistance of the surface against fading.

Chemicals required :

1. Calcium Hypochlorite (65% free chlorine)
2. Hydrochloric acid
3. Fully demineralized water

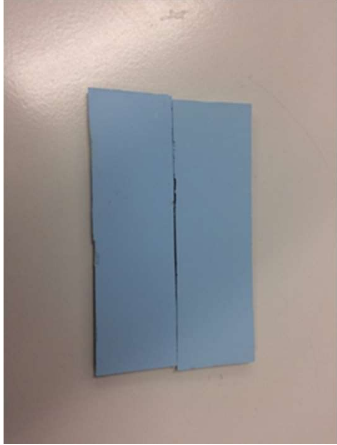
Test execution:

- Put 1l 70°C fully demineralized water in a measuring glass
- Add 0,5g calcium hypochlorite and mix until it is in solution
- Add a few drops hydrochloric acid for adjusting to ph. level 6.5 (+/- 0,2)
- Put each sample upright into an individual 0,5l measuring glass and add the solution until sample is fully capped
- After 18h at 60°C the samples are washed and dried
- After 1h drying time, samples are inspected regarding
 - o Color deviation, fading
 - o Loss of gloss
 - o Increase in weigh (water absorption)

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Examples of test result -
Color variation before/after
Chlorine test:



EUROGEL GEL COAT	ΔL	Δa	Δb	ΔE^*	Note
HQ-212 Blue FTS	0,05	-0,21	1,78	1,80	After 36 h at 60 °C




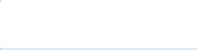
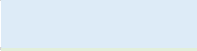
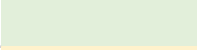
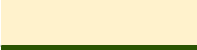


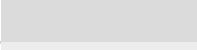
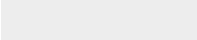
EUROGEL GEL COAT	ΔL	Δa	Δb	ΔE^*	Note
HQ-212 RAL 1015	0,62	-0,18	-0,24	0,69	After 36 h at 60 °C



EUROGEL GEL COAT	ΔL	Δa	Δb	ΔE^*	Note
HQ-212 RAL 7040 FTS	1,63	-0,13	0,45	1,70	After 36 h at 60 °C



Next Step is what are the colors available?

Blanc STD CR	
Blanc B43 CR	
Bleu STD CR	
R1013 CR	
R1015 CR	
R7003 CR	
R7040 CR	
R7035 CR	
R7047 CR	

How and where to use?

If it is for your production of a pool on a mold, or for applying a Top Coat on your finishing layer of a concrete traditional pool construction, you'll find at EUROMERE the reference you'll need in CR Colors (see table just before).

Choose the EUROMERE color and order the reference you need in 100% iso, or isoNPG, or why not trying the latest Eurogel[®] HQ FTS with CR colors? This will provide you the very best results in term of long lasting surface cosmetic and will reduce at the same time your styrene vapors in the spraying area.

These New Eurogel Gel Coat and 'CR Colors' for swimming-pools and Spa bath production, produced either on mold or on concrete will provide the very best long lasting surface, keeping the color (no fading), and the surface cosmetic for a very long period. These new gel coat qualities will overpass the effect of high pH, hot water, inadequate water treatment over the years.

Don't hesitate to ask, as usual, to your closest EUROMERE contact for further information or be in touch with us through the web or email contact. We'll be pleased to answer.

So now, your EUROGEL Gel Coat are available in all following color references:

Eurogel GCP-612 – 611 – 622 – 621 – 641

Eurogel GCTC-612 – 611 – 622 – 642 – 641

Eurogel HQ-212 – 211 – 233


Eurogel HQ-212 – 212 FTS (Low Styrene Content)



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