

## **Determination of resistance to liquids by spotting method confirm ISO 2812-4**

**Principle: A coated test panel is exposed to a test substance using the spotting method. The effects of the exposures are assessed in accordance with agreed criteria**

Name coating: Recoat AM Protector

Batch number: /

Name Analyst: Alwin Witte

Date: 25-8-2020

Test no. 2020350093

Test panels:		
<b>material:</b>	aluminum	
<b>material thickness:</b>	1.0	mm
<b>surface pretreatment:</b>	Recoat Cleaner	
<b>application method:</b>	Microfiber cloth	
<b>drying conditions:</b>	30 min at 24.1°C	temp. and time
<b>ageing conditions:</b>	7 days at room temperature ( $\pm 22^{\circ}\text{C}$ )	temp. and time
<b>DFT of coating:</b>	11.0 $\mu\text{m}$	$\mu\text{m}$

<b>Method using A or B:</b>	A
<b>Specification test liquid:</b>	10.000 PPM Calcium hypochlorite, (5.000 PPM available chlorine)
<b>PH of the liquid:</b>	13.39
<b>Temperature:</b>	22.0°C

on a scale from 0 to 5 (0 perfect/ no change)(5 worst /biggest change)

<b>contact time:</b>	10 min	20 min	30 min	60 min	60 min
<b>regeneration time:</b>	0 min	0 min	0 min	0 min	10 min
<b>discolouration:</b>	0	0	0	0	0
<b>hardness:</b>	0	0	0	1	0
<b>adhesion:</b>	0	0	0	0	0
<b>pores/cracking:</b>	0	0	0	0	0
<b>blistering:</b>	0	0	0	0	0
<b>gloss reduction:</b>	0	0	0	2	0

Any deviations from the procedure: No

Any unusual features observed during the test: No

Extra information: with 60 minutes contact and no regeneration time the hardness drops from 102 to 86 strokes of König pendulum hardness (ISO-1522) and the Gloss drops from 66 GU to 40 GU.

With 60 minutes contact and 10 minutes regeneration time the hardness was back at 99 strokes of König pendulum hardness (ISO-1522) and Gloss measured 66 GU.

Conclusion: this concentration of hypochlorite will not damage the AM Protector coating if the contact time is under 60 minutes