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**D U R B A N**  
**UNIVERSITY of**  
**TECHNOLOGY**

# *Certificate of Analysis*

## *Chemical*

NAME: MR N RAMNARAYAN	REPORT: 2008/049
CLIENT:	
ADDRESS:	
TELEPHONE/FAX: 031-3732715	
DUT REFERENCE	2008/049
CLIENT REFERENCE	Viscous Slurry
SAMPLE	Viscous Slurry
<b><u>RESULTS</u></b>	
<b><u>INITIAL - 11 July 2008</u></b>	
pH @RT	10.30
Appearance	<b>Yellow orange viscous slurry type material. Material has fine &amp; slightly coarse suspended black particulate matter present.</b>
<b><u>1 WEEK – 18 July 2008</u></b>	
pH @ RT	10.16
Appearance	<b>Yellow orange viscous slurry type material. Material has fine &amp; slightly coarse suspended black particulate matter present.</b>
Steel @ 75% RH	Sample steel ( coated with RideOn ) inspected for any physical alteration to the surface due to RideOn. None detected. Compared to Control steel ( not coated with RideOn ). Control steel shows no sign of physical alteration to the surface. Both sample and control not affected. <b>RideOn has no effect on the steel surface.</b>

## **2 WEEKS – 25 July 2008**

pH @ RT

**10.01**

Appearance

**Yellow orange viscous slurry type material. Material has fine & slightly coarse suspended black particulate matter present.**

Steel @ 75% RH

Sample steel ( coated with RideOn) inspected for any physical alteration to the surface due to RideOn. None detected. Compared to Control steel ( not coated with RideOn ). Control steel shows no sign of physical alteration to the surface. Both sample and control not affected. **RideOn has no effect on the steel surface.**

## **3 WEEKS – 04 August 2008**

pH @ RT

**9.87**

Appearance

**Yellow orange viscous slurry type material. Material has fine & slightly coarse suspended black particulate matter present.**

Steel @ 75% RH

Sample steel ( coated with RideOn) inspected for any physical alteration to the surface due to RideOn. None detected. Compared to Control steel ( not coated with RideOn ). Control steel shows no sign of physical alteration to the surface. Both sample and control not affected. **RideOn has no effect on the steel surface.**

## **SUMMARY**

A steel sample was coated with RideOn and placed in a 75% RH chamber ( accelerated conditions ). The aim was to check the effect RideOn has on the steel sample during a 3 week period. RideOn sample showed no physical alteration to the steel surface after 3 weeks.

The pH of the RideOn dropped by 0.43 units. The drop in pH is attributable to the accelerated conditions of the experiment. This difference in pH is not significant enough to dramatically change the properties of RideOn to cause corrosion to the steel sample. The RideOn sample is significantly basic to prevent corrosion. The sample will be monitored.

From this experiment it cannot be stated what effect the change in pH will have on the sealing property of RideOn.

SIGNED: SR CHETTY  
JIMMY CHETTY- ANALYTICAL CHEMIST

DATE : 04/08/2008