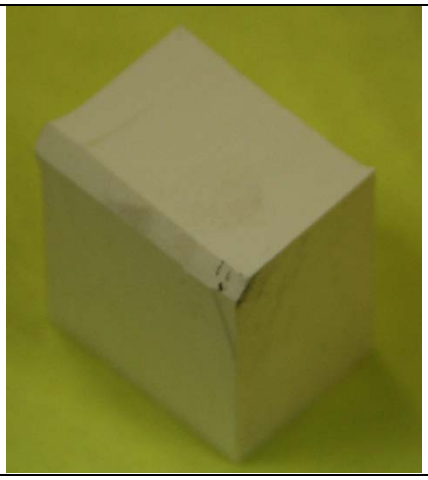
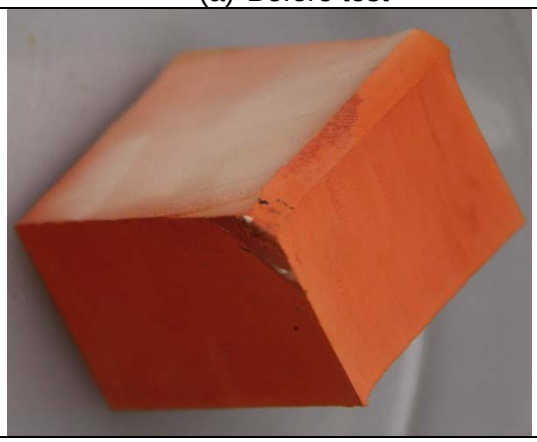
Various Lining Kote UHS coupons were immersed in 35 percent HCl solution. The test is continuing. Below is the summary of the data for one of the coupon.

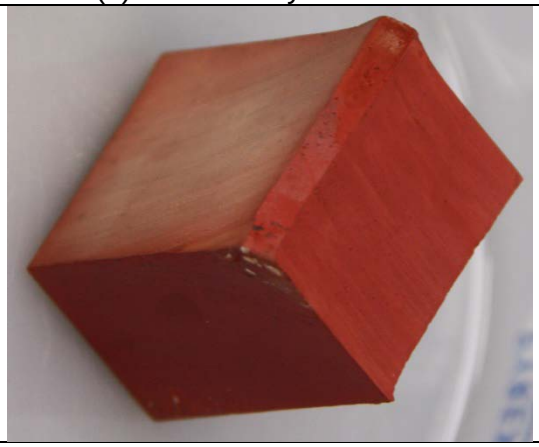
Coupon 2 Images at various instances



(a) Before test



(b) After 17 days of immersion



(c) After 72 days of immersion

(d) Removing a layer of coating

(e) Coating flakes

Coupon 2 weights:

Initial: 40.3063 g

After 17 days: 41.2033 g

After 42 days: 41.9870 g

After 72 days: 42.4815 g

Mass gained after 72 days: 2.1752 g

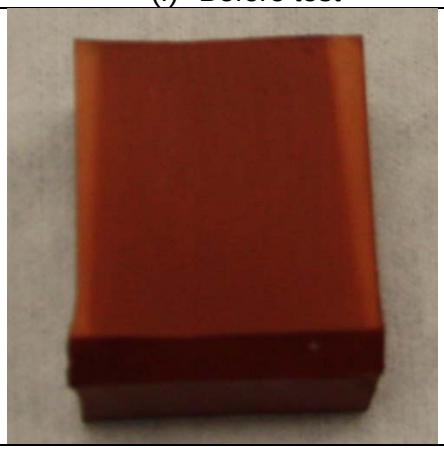
Thickness of the flakes: 200 micrometer.

Acid has penetrated approximately 200 micrometer from the surface, but not beyond it.

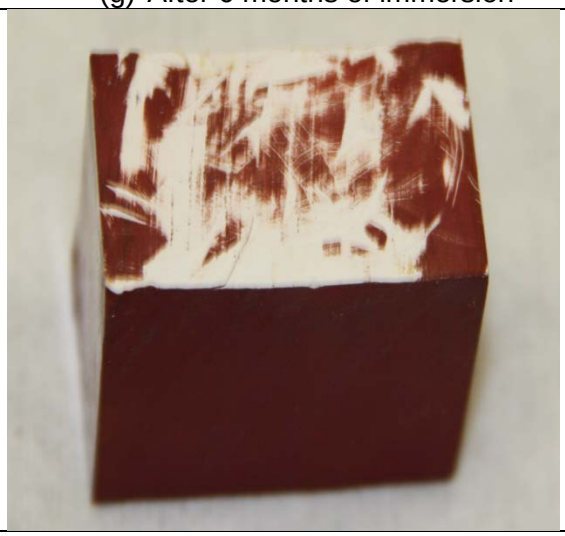
Lining Kote UHS properties did not change after immersion in the 35 percent HCl acid solution.

Coupon 1 Images at various instances

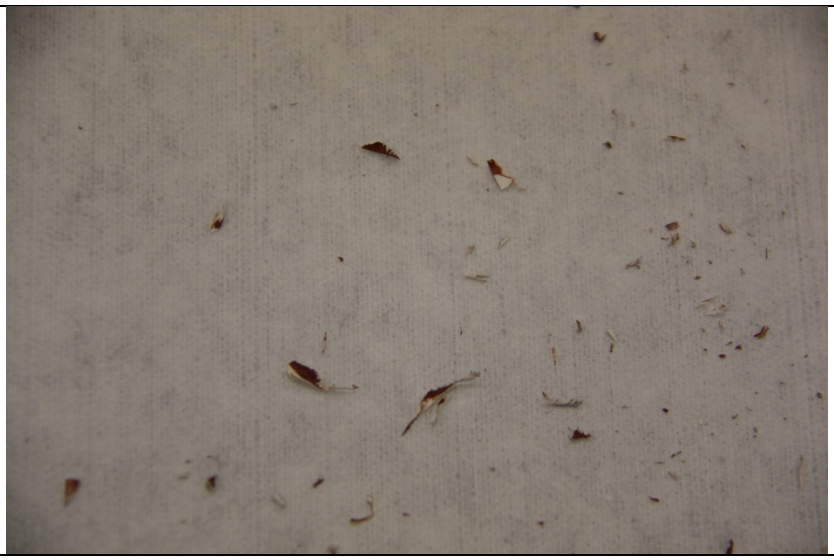
(f) Before test



(g) After 6 months of immersion



(h) Removing a layer of coating



(i) Coating flakes

Coupon 1 weights:

Initial: 40.3446 g

After 6 months: 42.2875 g

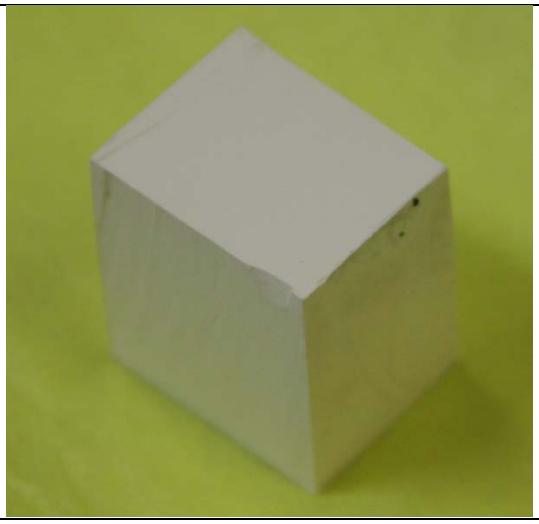
Mass gained after 6 months: 1.9429 g

Thickness of the flakes: 200 micrometer.

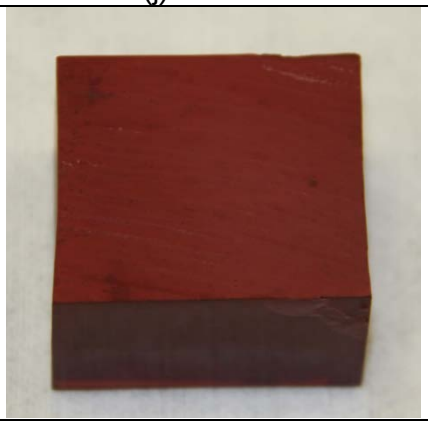
Acid has penetrated approximately 200 micrometer from the surface, but not beyond it.

Lining Kote UHS properties did not change after immersion in the 35 percent HCl acid solution.

Coupon 5 Images at various instances

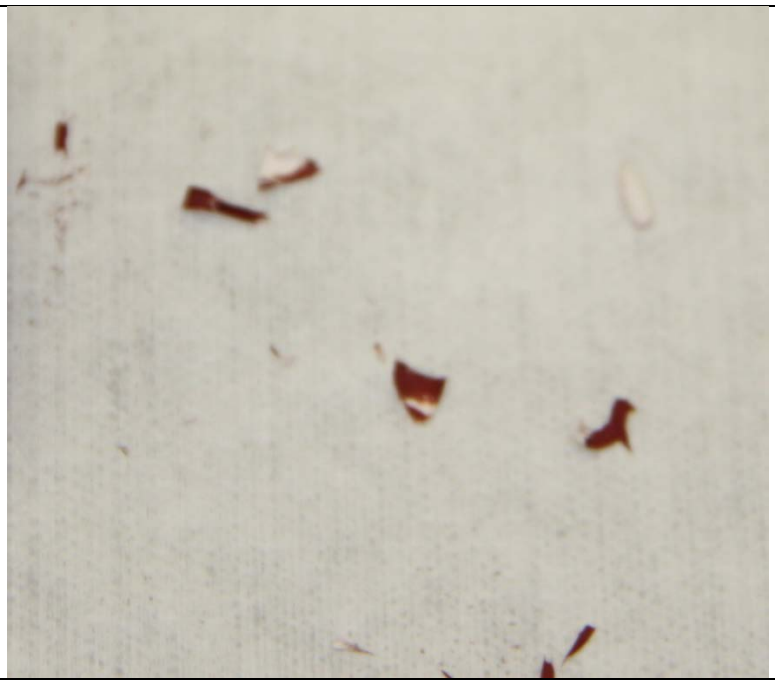


(j) Before test



(k) After 6 months of immersion

(l) After removing a layer of coating



(m) Coating flakes

Coupon 5 weights:

Initial: 44.8469 g

After 6 months: 45.18835 g

Mass gained after 6 months: 1.3414 g

Thickness of the flakes: 200 micrometer.

Acid has penetrated approximately 200 micrometer from the surface, but not beyond it.

Lining Kote UHS properties did not change after immersion in the 35 percent HCl acid solution.