

# VIVABLAST CASE STUDY (1/11)

## TOPAZ PLATFORM TOPSIDE FIREPROOFING

### ■ Project details

- Customer: PTSC M&C
- Topaz Development Project
- Location: PTSC Yard - Vung Tau city - Vietnam
- Beam Topside Firewall - Fireproofing PFP Coating Chartek 8
- Specification requirement: PFP Coating to meet the requirement of H-50 Fire rating

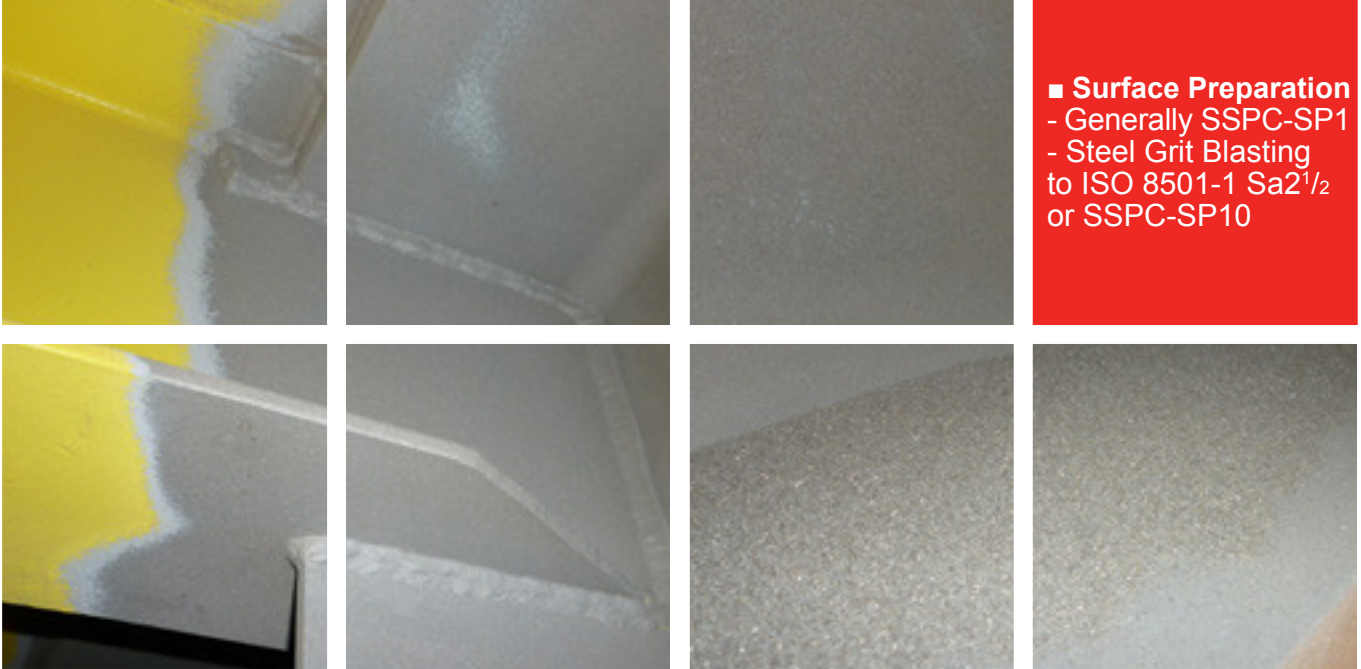


# VIVABLAST CASE STUDY (2/11)

## TOPAZ PLATFORM TOPSIDE FIREPROOFING

### STEP 1

- **Surface Preparation**
- Generally SSPC-SP1
- Steel Grit Blasting to ISO 8501-1 Sa2<sup>1/2</sup> or SSPC-SP10



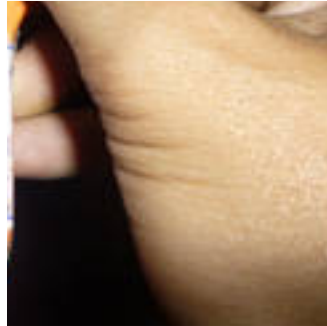
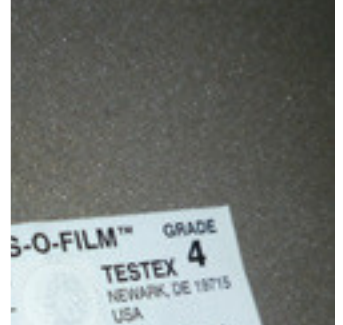
- Remove steel grit after completed surface preparation works





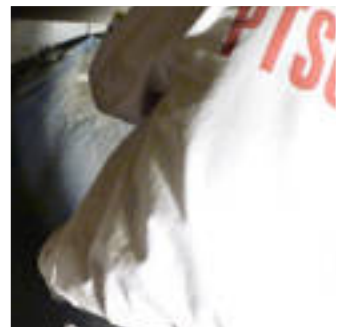
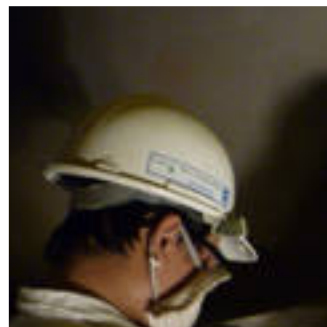
# VIVABLAST CASE STUDY (3/11)

## TOPAZ PLATFORM TOPSIDE FIREPROOFING



### STEP 2

- Inspection after surface preparation
- Blast profile checking
- Substrate temperature and controlling for primer application

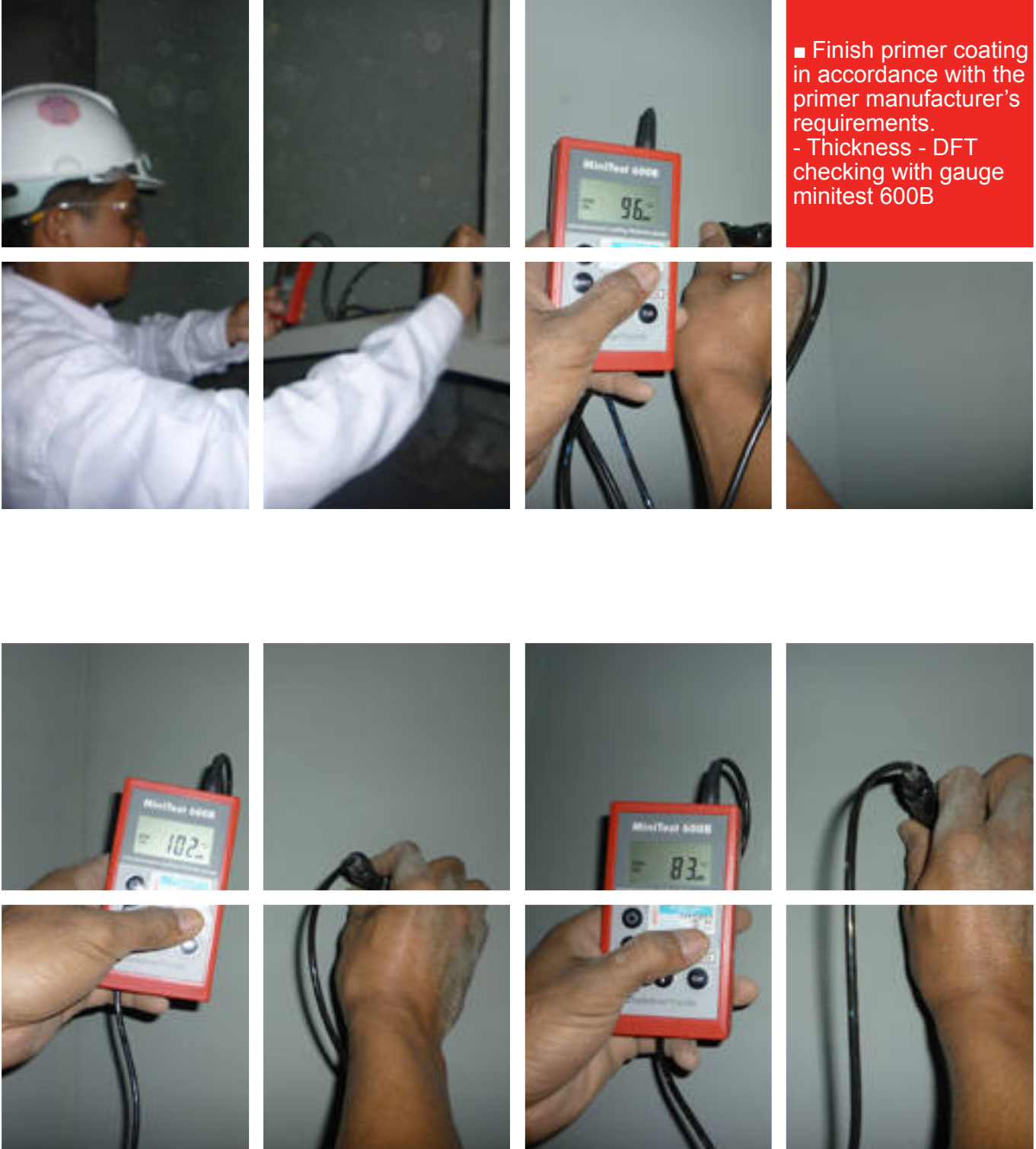


# VIVABLAST CASE STUDY (4/11)

## TOPAZ PLATFORM TOPSIDE FIREPROOFING

### STEP 3

- Finish primer coating in accordance with the primer manufacturer's requirements.
- Thickness - DFT checking with gauge minitest 600B



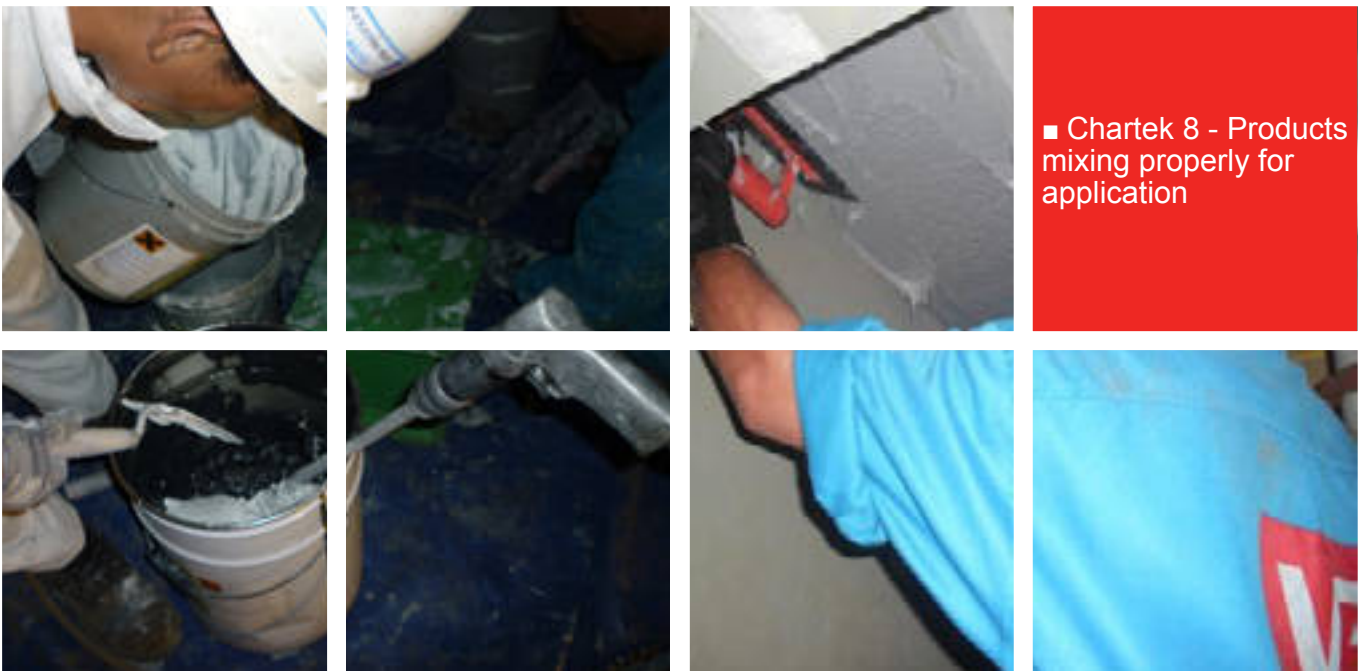
# VIVABLAST CASE STUDY (5/11)

TOPAZ PLATFORM TOPSIDE FIREPROOFING



## STEP 4

■ Chartek 8 - Products mixing properly for application





# VIVABLAST CASE STUDY (6/11)

## TOPAZ PLATFORM TOPSIDE FIREPROOFING



### ■ STEP 5

■ Chartek 8 application process & install HK-1 mesh reinforcement



# VIVABLAST CASE STUDY (7/11)

## TOPAZ PLATFORM TOPSIDE FIREPROOFING



### ■ STEP 6

- Build up thickness uniformly & cover the mesh application

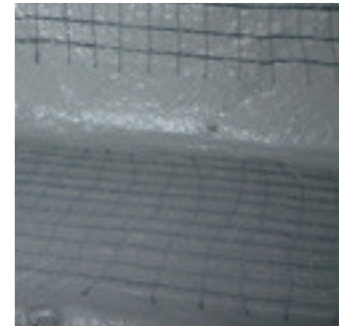
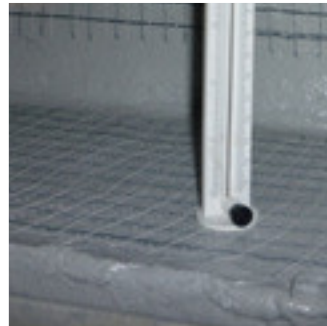
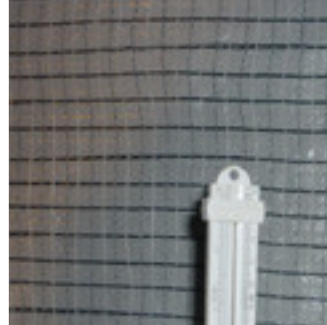


# VIVABLAST CASE STUDY (8/11)

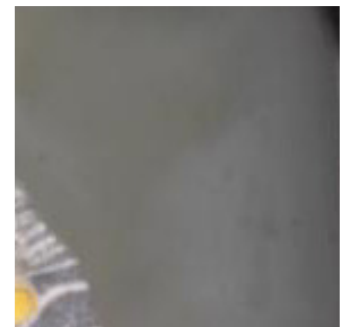
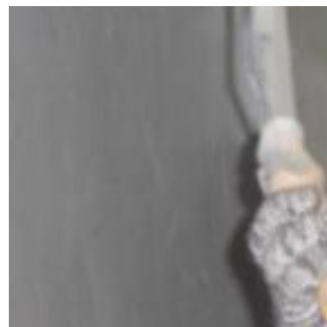
## TOPAZ PLATFORM TOPSIDE FIREPROOFING

### STEP 7

■ Thickness controlling during application to get the thickness requirement



- Using rollers lightly dampened with PMA solvent to remove trowel marks & achieve uniform finish & thickness



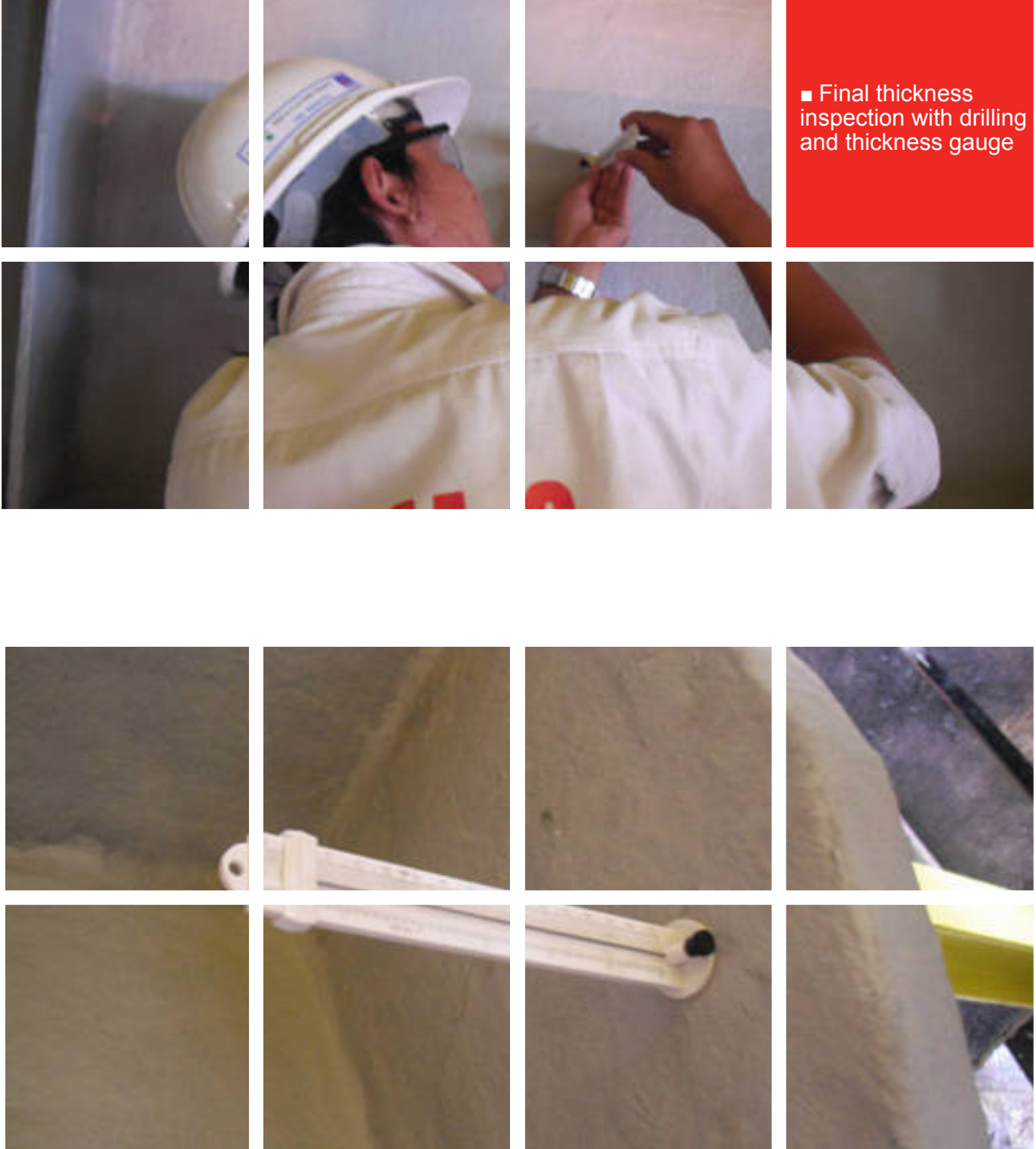


# VIVABLAST CASE STUDY (9/11)

## TOPAZ PLATFORM TOPSIDE FIREPROOFING

### ■ STEP 8

- Final thickness inspection with drilling and thickness gauge

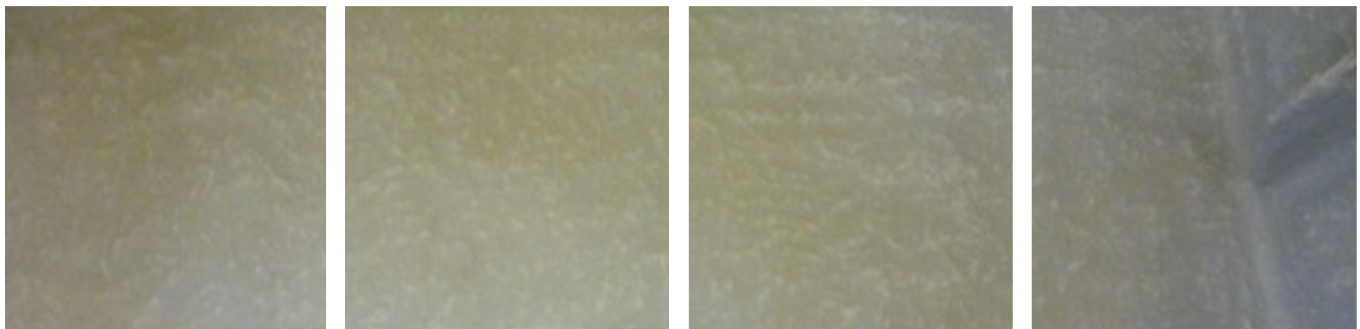
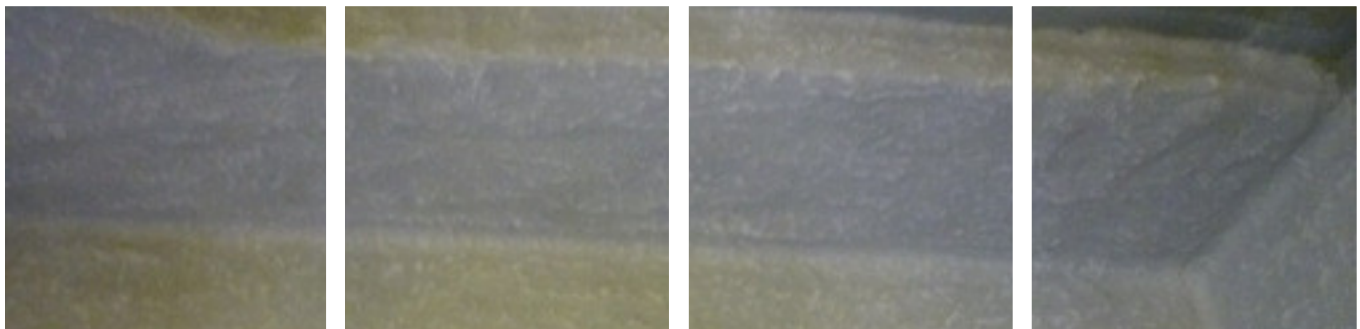


# VIVABLAST CASE STUDY (10/11)

## TOPAZ PLATFORM TOPSIDE FIREPROOFING

### ■ STEP 9

■ Chartek 8  
PFP coating surface  
preparation properly  
for finish color paint  
coating application



# VIVABLAST CASE STUDY (11/11)

## TOPAZ PLATFORM TOPSIDE FIREPROOFING

### STEP 10

- Stripcoat & finish yellow PU coating application as per client's required specification

