

CASE EXAMPLE

DECONTAMINATABLE COATING

Customer and prime contractor : CEA - CESTA - le BARP

Company : CEGELEC

Workplace : LASER MEGAJOULE Project - LE BARP

Date of work realization : August - September 2007

Works :

- *external coating of the experiments sphere*
- . grinding, dust sweeping
- . application of concrete primer P201
- . sealing with resin of large concrete pores
- . SOUPLETHANE 5N application, thickness 2 mm

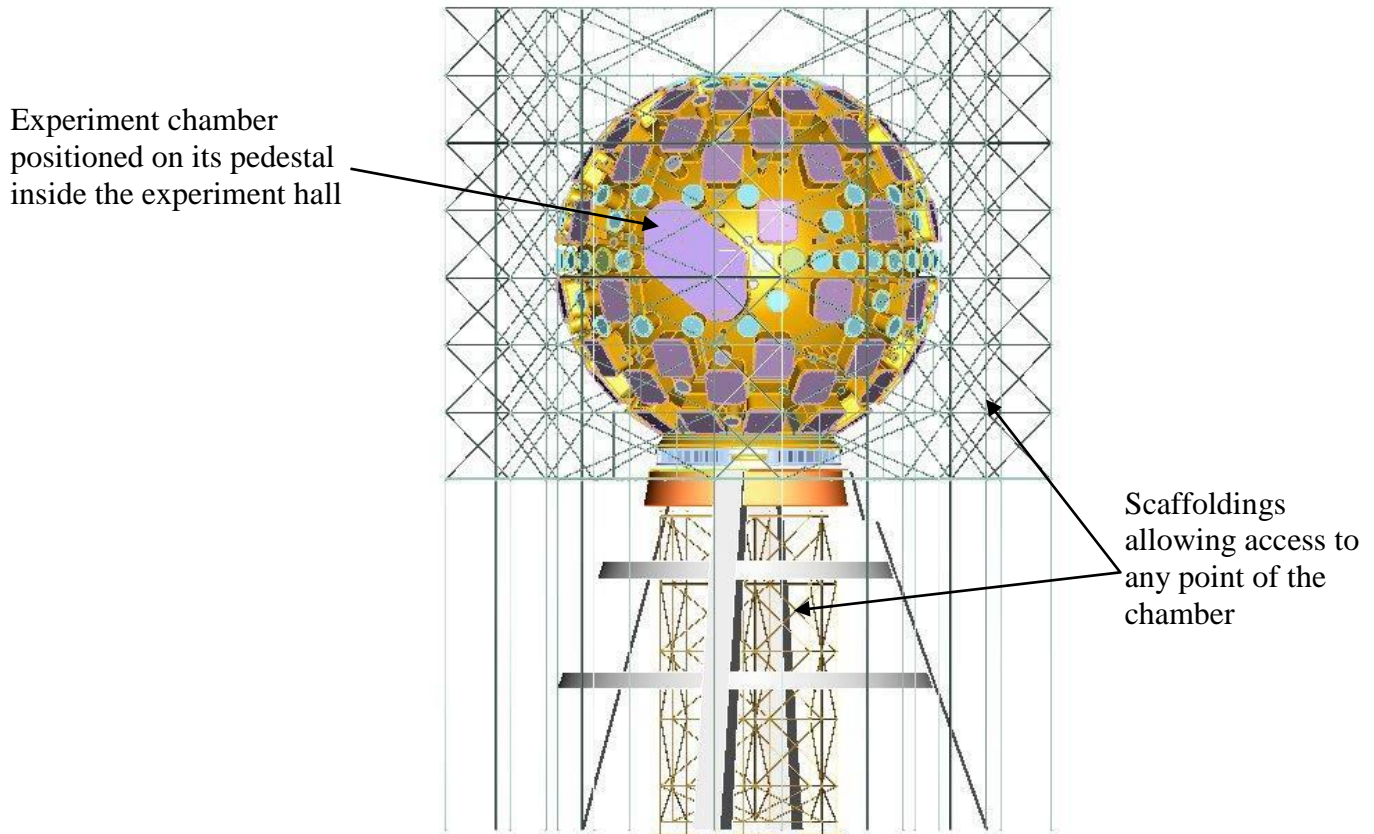
Technical interest :

- Very easily decontaminatable coating (class A-1), resists to mechanical shocks
- resists to possible cracks of concrete substrate
- radiations resistant coating

PRESENTATION OF THE PROJECT

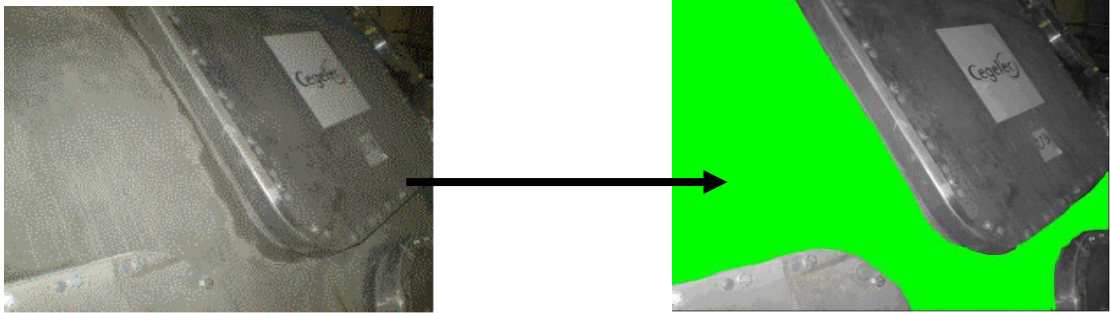
1.1 WORK ENVIRONMENT

The experiment chamber is an aluminium alloyed sphere of 10 m diameter, 203 stitchings are welded on the shell of the chamber. During painting, the accesses at the chamber level will be eased with scaffoldings.



1.2 SURFACES TO BE COATED

The resin must cover the whole surface of concrete on the sphere, which is 250 m².
A 2 cm resin turn will be made around the 203 stitchings all around the sphere.
A 20 cm return will be made on the cone support of the sphere.



application of 4 resin coats on the concrete surface → thickness 2 mm and a smooth surface with smoothed out roughness

