



Kayati SL
Manufacturer of CRAS, Non-
explosive demolition mortar
www.kayati.com



Demolition of a submarine dike at the Harbor of Blanes (Girona, Spain)



Demolition in submarine environments is an activity in which CRAS, the non-explosive demolition mortar manufactured by the Spanish firm Kayati SL, has good experience. CRAS, the product that is setting new security and efficiency standards in demolition engineering, was chosen for the demolition of a submarine dike in the enlargement project of the Harbor of Blanes.

CRAS was used for the demolition of an underwater massive concrete dike of 720 m³ (36 m long x 5 m wide x 4 m high). This section of the demolition project included the debris clearance as well.



Drilling was a fundamental task in this project, as usual when working with CRAS. A drilling wagon -see picture- was used for this



operation. In this work, drilling diameter has been 64 mm, and bores were distributed following a grid of 50 cm x 50 cm. Depth of bores was 3.90 m. a 90% of the dike's high. Calculations to establish these values were carried on with the support of Kayati's demolition engineers. Kayati offers as well a service of complete demolitions, in cooperation with experienced contractors.



CRAS mixing was produced by a mixer with capacity to mix up to 50 kg. In the picture can be seen the filling of the holes with demolition cement.

The final result fulfilled expectations: demolition strength broke the dike on time. Bores were filled at 6 pm on October 10th. Temperature was 18°C.

CRAS was poured inside flexible polyethylene plastic tubes, to avoid the contact with water.

The final photo was taken at 3 pm next day, 21 hours after product application, and a fragmented dike can be seen. After demolition, debris clearance was the final part of the project.



To get further information on CRAS please contact Kayati SL:

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