



## Waterproofing Systems and Technical Solutions



### Hydroelectric Channel Tambre

The project consist in repair and waterproofing a conduction channel of the Tambre Hydroelectric Plant. The main part of the channel was built in stone and concrete. The channel is 100 years old, of whom 50 without any treatment. The water structure had different pathologies as water leakage, the surface was eroded and a water inlets from the field appear in some places.

After prove the mortar 221 LANKOIMPER CAPA GRUESA on the jobsite, testing their adhesion to the support , the owner Gas Natural Fenosa approved the treatment of the channel with LANKO product. (over 2 km of channel – first step).

In broad terms, the repair and waterproofing of the structure consisted in the following steps :

Clean area with water pressure.

Application of 221 LANKOIMPER CAPA GRUESA with a spraying machine in walls. In the base of the channel, a steel mesh was placed to compensate for shrinkage due to the thickness of application (about 5 cm on average); the mortar was pumping with the same machine.

After curing the product, adhesion tests were performed with satisfactory results.

#### APPLIED PRODUCT



- LANKO 221 IMPER CAPA GRUESA

#### TECHNICAL DETAILS

- Around 2km of Channel
- Volume : 300 tons of LANKO 221 IMPER CAPA GRUESA

#### > LOCATION

Noia – A Coruña – Spain

#### > CUSTOMER

GAS NATURAL FENOSA

#### > MARKET SEGMENT

Water Structures

#### > SUBSEGMENT FUNCTION

Waterproofing

#### > YEAR

2012

BRAND

# LANKO

**PAREX**  
Building expertise, together