02 POZO HONDO WALL DEFENCE

PILCOMAYO RIVER · PARAGUAYAN CHACO

PROJECT CASE · PARAGUAY



Aerial view of the protection on the Pilcomayo bank

20,000	AB600	650	3,080 m³
M² OF COVERAGE	ARTICULATED BLOCK · 150 MM (15 CM)	M² FILLED PER DAY	OF CONCRETE ON SITE

The challenge: the Pilcomayo River carries one of the largest sediment loads in the world and its floods scour the banks in the Paraguayan Chaco. The Pozo Hondo defence wall, on the border with Argentina and **900 km from Asunción**, it was an earth bank: it had to be **rebuild it after every flood**. It needed protection able to withstand those conditions, in a place with no access to precast plants.

The solution: mattress **HYDROTEX® AB600 Articulated Block, 150 mm (15 cm)** cast in situ with pumped concrete. The geotextile arrived on site in light rolls and the **≈3,080 m³ of concrete** (1 m³ per 6.5 m² of mattress, ≈100 m³ a day) were batched and pumped on site, removing the logistics cost of hauling precast units into the deep Chaco.

> **Why AB600:** high weight per m² and resistance to the drag of the current; once finished, the structure forms **a single, fully interconnected piece** by the cables, which follows the scour of the bed without failing.



The work front on the Pilcomayo river



Laying out the textile formwork before filling

PROJECT FILE

Project	Pozo Hondo Wall Defence
Location	Pozo Hondo, Chaco (PY–AR border)
Product	HYDROTEX® AB600 Articulated Block · 150 mm
Area	20,000 m²
Concrete	≈3,080 m³ (≈100 m³/day)
Performance	≈650 m²/day filled