

06 CHANNELS OF THE PILAR WATERFRONT

CHANNEL PROTECTION — UNIFORM SECTION

PROJECT CASE · PARAGUAY



The channel lined with US300 discharging into the Paraguay river — Pilar Waterfront

3,000

M² OF COVERAGE

US300

HYDROTEX UNIFORM SECTION

Direct

INTO THE PARAGUAY RIVER, WITH NO SCOUR

The challenge: the drainage channels of the Pilar waterfront run down the defence slope and discharge straight into the Paraguay river. Every rainfall concentrated the flow over bare soil: scour advanced towards the embankment and threatened the defence works themselves.

The solution: lining with a mattress of **US300 Uniform Section**: a continuous slab with a smooth surface and a low Manning coefficient that carries the water at optimum velocity without eroding, cast in situ over the profile of each channel down to its outfall. A total of **3,000 m²** of protection that follow the topography of the coastal slope.

The whole family on a single project: the Pilar Coastal Defence combines AB600 Articulated Block on the river frontage and US300 Uniform Section in its outfall channels — each function with its own HYDROTEX® mattress.



The whole channel, seen from the waterfront



The finished mattress, already blending into the setting

PROJECT FILE

Project	Outfall channel protection
Location	Pilar Waterfront, Ñeembucú
Product	HYDROTEX® US300 Uniform Section
Area	3,000 m ²
Status	Completed