

CASE STUDY / PLASTIC FABRICATION

PVC LABORATORY SINK & BENCH TOP

A corrosion-resistant workspace designed
for a seawater and brine sample room.

FOR
WATER CORPORATION
WESTERN AUSTRALIA

PROJECT OVERVIEW

Built for a demanding coastal laboratory environment

CLIENT

Water Corporation



PROJECT NUMBER

32246

LOCATION

Western Australia

THE REQUIREMENT

Western Australia's primary water utility, Water Corporation, required a custom indoor PVC bench, cabinet and sink for a seawater and brine sample room.

Because the room is continually exposed to moisture, salt-laden air and corrosive substances, conventional materials can deteriorate quickly. The solution needed to be durable, hygienic and straightforward to maintain over the long term.

MATERIAL SPOTLIGHT

Why PVC was the right material

CORROSION RESISTANCE

PVC does not rust and performs well in moist, salt-laden environments. Its resistance to many acids, alkalis, salts and other commonly encountered chemicals makes it a practical choice for laboratory and process areas, subject to confirming compatibility with the chemicals, temperatures and concentrations involved.

HYGIENE & MAINTENANCE

The material has a smooth, non-porous surface that is easy to wipe down and does not require painting or protective coating. Fabricated joints can be welded to form a continuous construction, helping minimise crevices where residue may collect.

LONG-TERM VALUE

PVC is lightweight, readily fabricated and low maintenance. Used within its design limits, it provides a long service life without the ongoing corrosion treatment often associated with metal alternatives.



PROJECT PHOTOGRAPHY

Fabricated for reliable, long-term use



Need a corrosion-resistant fabricated solution?

fusionaus.com