



PaintRoom



Passion
to BODYSHOPS
TECHNOLOGY
PROCESS and
LAYOUT



PAINTROOM

The Paint Mixing Room (PMR) is assembled using a modular panel system, called ModulBlock. This allows a PMR to be customized to accommodate any length or width needed.

A ModulBlock panel is: 1 meter (or 40 inches) in width and 3 meters (or 120 inches) in height. The panel is available in three versions: closed on both sides, a glass window and a glass door.

The right measurement for a modern PMR is between 12/14 square meters, or 130/140 square feet. This size accommodates:

- two gun washing machines,
- two mixing color machines, and
- one big table for preparing color and paint, leaving enough space for two technicians to work inside at the same time.

The PMR standard configuration is 6/7 meters (or 20/23 feet) long and 2 meters (or 6.6 feet) wide. It has two glass doors and two or three glass windows, and has grids on the floor with a metal box pit of 5 cm or 2 inches in depth to collect any paint spillage.

The PMR has two extraction systems that work at the same time: the first extraction is a hood above the gun washing machine and the second extraction is a stainless steel box, with a grid installed in front of the table where the technician prepares the paint.

The PMR is equipped with six or nine PowerLux lights that guarantee perfect lighting. The PMR has an electric plant that automatically manages the air extractions, the lights and the electric power plugs.



CONFIGURATION



The PMR is available in any size needed because it is a modular system composed from several panels of ModulBlock. The ideal size is 6/7 m or 20/23 ft long and 2 m or 6.6 ft wide. The ModulBlock panel is 1 m or 40" wide and 3 m or 120" high. It is available in three different versions:

- The **first version** is closed on both sides, with metal foil inside that is colored white with powder coating and with powder coating and the external side is in CoverTop, a plastic panel in ABS.
- The **second version** is a tempered glass window that is open.
- The **third version** has a glass door with an emergency handle and an automatic closing.

PANEL MODULBLOCK



The ModulBlock panel is a tubular-welded frame on one side and a painted metal powder-coated sheet on the other. In the middle, there is 5 cm or 2" of insulation and on the external side there is the CoverTop, an ABS plastic panel available in eight different colors. The ModulBlock panel has a glass window and door is a tubular-welded frame with glass inside.

EXTERNAL COVER IN COVERTOP



The outer covering of the PMR consists of CoverTop panels, made in ABS injection plastic mold, which can be opened and closed.

FLOOR



The PMR floor is in pedestrian grids with a metal box pit underneath to collect the paint spillage.

CEILING



The PMR ceiling is a tubular-welded frame to support the filter for the inlet air and the PowerLux lights.

TABLES



The PMR has two stainless steel tables:

- one is for preparing color and paint with a size of 200 x 75 cm, or 80 x 30", and
- the other one is for the mixing scale with a size of 100 x 75 cm, or 40 x 30".

AIR EXTRACTION



The PMR has two air extraction units: one is a stainless-steel hood installed above the gun washing machine and the other one is a stainless-steel box with grids installed all along the base of the paint table. The two extractions merge into one duct for the final extraction.

ELECTRIC PLANT AND LIGHTING



The PMR has an electric plant that automatically manages two extraction fans, the lights and the electric power plugs. As part of this procedure, electric power can only be supplied when the room has been cleaned from the possible presence of solvents gas.

The PMR uses PowerLux lighting that offers superior light performance in intensity, reaching an average of 1.300 - 1.500 Lux and also a color quality of 5.200 KI°.

APPROVAL

The PMR has the approval for North American, Europe, Australia and New Zealand markets.

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