

# WORKTOP SURFACES

STANDARD LABORATORY BENCHES



Dividing spaces, integrating furniture, uniting people



### CHARACTERISTICS

#### Critical Materials

- Concentrated hydrochloric acids
- Nitric acid
- Heated sulfuric acid

#### Weight (kg/m<sup>2</sup>)

19,6 kg.

#### Complete thickness

20 mm.

#### Application

Writing areas



#### \* SURFACE

It is composed of an external stratified melamine surface of 0.8 mm thickness mounted on a chipboard surface of 20mm thickness.

#### \* INTENDED USE

The best working surface for writing areas, tables for studying and for control testing without high chemical resistant requirements.

Physical-mechanical Characteristic	Value	Reference Standard
Density (g/cm <sup>3</sup> )	>1,35	ISO 1183
Resistance to surface abrasion (rpm)	> 150 (initial point) > 350 (middle point)	EN 438-2: 10
Impact resistance (N)	> 20	EN 438-2: 20
Resistance to dry heat * 1 (degree)	> 3	EN 438-2: 16
Scratch resistance (N)	> 2	EN 438-2: 25
Resistance to moist heat * 1 (degree)	> 3	EN 12721
Fire response (class)	M 3	UNE 23727
Resistance to boiling water immersion * 2 (degree)	> 3	EN 438-2: 12

#### \* CHEMICAL RESISTANCE (EXTERNAL SURFACE)

The surface doesn't look with any alteration of prolonged contact (16 hours) at a room temperature with the substances that are shown in the groups 1 and 2 of the following table. However, it presents a slight alteration after 10 minutes of contact at room temperature, with the substances shown in group 3.

Group 1	Group 2	Group 3
Alcoholic Beverages	Tea	Caustic soda 25%
Fruit juice/vegetable	Milk	Hydrogen peroxide 30%
Solution of sodium chloride	Coca cola	Concentrated vinegar, 30% acetic acid
Water	Wine	sanitary cleaning products
Disinfectant	Alkaline cleaning agents 10%	Mercurochrome
10% citric acid	Hydrogen peroxide 3%	Aqueous cleaning agents with hydrochloric acid <3%
Organic paint solvents	Commercial Ammonia 10%	Hair dye
Oil, vegetable and animal fats	Varnish	Acid agents for metal cleaning
	Lacquer solvents	Lodine Ink
		Boric acid
		Sulphonic acid ammine
		<10% for metal cleaning
		Footwear cream for metal cleaning