



PENTALAV LC 100

Acid cement scale remover used for cleaning any kinds of surface

Technical Data Sheet, November 2015

DESCRIPTION	Pentalav LC/100 is the aqueous solution of an inorganic acid with inhibitors of corrosion suitable for removing cement scales from any surfaces made of bricks, ceramic tiles, cotto, metal and hardened concrete.
FEATURES	Pentalav LC/100 is the concentrated version of Pentalav L and it is made of an aqueous solution containing an inorganic acid that has a medium aggressiveness on cement scales on any supports. The product is formulated in order to dissolve the scales slowly and progressively, avoiding any violent aggressions of soluble parts. That allows controlling the action depth, in particular on gaps, bedding mortars and architectural concrete. When the cleaning is thought to be enough, wash away the excess of Pentalav LC/100 with water to stop the dissolution reaction immediately, thus avoiding the damage that normally follows this kind of treatment. Moreover, the inhibitors of corrosion contained in the product allow using it on metallic and ferrous parts as well, without risking any dangerous oxidation for the life of the structure.
USE	Pentalav LC/100 is normally used for removing scales of cement mortars from decorative bricks, cotto, ceramic tiles, marble, ornamental stones, concrete, concrete mixers, scaffoldings, cranes and metallic equipment. In case a slowdown in the dissolution speed should be required, it is sufficient to dilute the product with water in a ratio of 1 : 1 or 1:2 depending on the need. After getting to the expected degree of cleanness, it is always necessary to wash with water until the complete removal of Pentalav LC/100. To verify that this operation has given the expected result, test the degree of acidity with a litmus paper on the last wash water or else, in case the litmus test is not possible, after some washings treat the surfaces with a 2% solution of NaOH to neutralize the possible excess and finally rinse out with water.
YIELD	The yield is normally 2 – 8 m² per 1 kg of Pentalav LC/100. Obviously, the yield can vary depending on the type and the quantity of material to remove and on the porosity of the surfaces.

	Data	Method
TECHNICAL DATA	State:	Liquid
	Colour:	Straw-coloured/colorless
	Density:	1.060±0.005 kg/dm ³
	Potential of hydrogen (pH)	1.75±0.75
	Water solubility:	Totally soluble
		Visual
		Visual
		IST. 10.06
		IST. 10.05
		IST. 10.21

STORAGE AND VALIDITY

Pentalav LC/100 has a 24-months validity starting from the date of the delivery, only if it is sheltered from the frost and direct sunrays, at temperatures included between -2°C and +40°C, in the original cans kept perfectly closed.

PRECAUTIONS

The use of **Pentalav LC/100** requires to use rubber gloves to protect the hands and goggles to protect the eyes when using it, in particular if it is applied with a pump. In case of contact with the eyes, wash plentifully with running water and refer to a doctor. In case of contact with the skin, wash plentifully with water and Marseille soap.

PACKAGING

5, 10, 25 kgs plastic cans
1000 kgs plastic IBC

All the data stated in this technical sheet are based on the best of our knowledge and experience. It is advisable to carry out preventive tests. In any case, PENTACHEM does not assume any responsibility for any damage or defect caused by the use of our products, as the employment conditions are not under our control. We also inform that our technical service is at our customers' disposal for any information concerning the correct employment of our products.