



ANTIOX L 30

Anti-oxidizing agent for the bars of reinforced concrete

Technical Data Sheet, October 2015

DESCRIPTION	Antiox L 30 consists of a saline mixture in aqueous solution highly stable in alkaline system, used for preventing iron oxidation.
FEATURES	Antiox L 30 is a straw-yellow liquid water-dilutable in any ratio. The dispersants present in the formula of the product allow it to penetrate deeply into the concrete and to wet all the accessible surfaces of the bar. The action of Antiox L 30 opposes the galvanic corrosion effect on the free extremities of the bar, thus avoiding the re-forming of oxide and the consequent increase in volume. This preserves the characteristics of bearing capacity and the life of the structure.
USE	Antiox L 30 is used whenever it is necessary to carry out repair works on reinforced structures with cement mortars, and the risk of aggression from external agents is potentially high.
APPLICATION	It is brushed or sprayed as it is, both on the bars, perfectly cleared from the oxide, and on the surrounding concrete until total impregnation. When the surface of the concrete is still slightly humid, apply the mortar for repair works. On the contrary, if the surface is dry, dampen it with water before the application. Besides, in case the mortar used for the repair works requires a preventive application of a resinous slurry in order to improve its adhesion to the support, the slurry must be applied only after the surface treated with Antiox L 30 has dried. Antiox L 30 must be applied on perfectly clean supports, free from loose materials, oils, grease, wax, colour-wash paints, water films and any other materials which may reduce the penetration of the product. Antiox L 30 is to be applied at temperatures above +2° C. It can also be used as batched water for mortars, diluted with water in a ratio of 1:4

TECHNICAL DATA		Data	Method
	State:	Liquid	Visual
	Colour:	Straw-yellow	Visual
	Density:	1.210 ± 0.030 kg/dm ³	IST. 10.06
	Hydrogen potential (pH)	8.0 ± 1.0	IST. 10.05
	Water solubility:	Totally soluble	IST. 10.21

- YIELD** The consumption of the product as it is: 0.2–0.5 kg/m² or more depending on the absorption of the concrete
- STORAGE AND VALIDITY** **Antiox L 30** has a 12-months validity starting from the delivery date, only if it is stored in a sheltered and dry place and in the perfectly closed original cans.
- PRECAUTIONS** **Antiox L 30** is harmless by contact. It is easily removable from any surfaces with water and soap. Inhalation can cause an irritation of the first part of the respiratory tract; it is therefore advisable to use a dust mask.
It is toxic by ingestion. Keep the product away from heat sources and avoid the contact with direct flames. Avoid the contamination of water-bearing stratum.
In case of accidental loss, it must be picked up with a blotting material and discharged in an authorised dump.
- PACKAGING** 5, 10 and 25-kg cans

The specifications stated in this report have been got either through standardized tests and rules or their modifications following Pentachem systems. The methods applied can be requested to our technical service.

All the data stated in this technical sheet are based on our knowledge and experience. However, before using the item differently from indicated, 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.

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