

PENTAMIX EX 35 L

Anti-dust shrinkage reducing agent

Technical Data Sheet May 2020

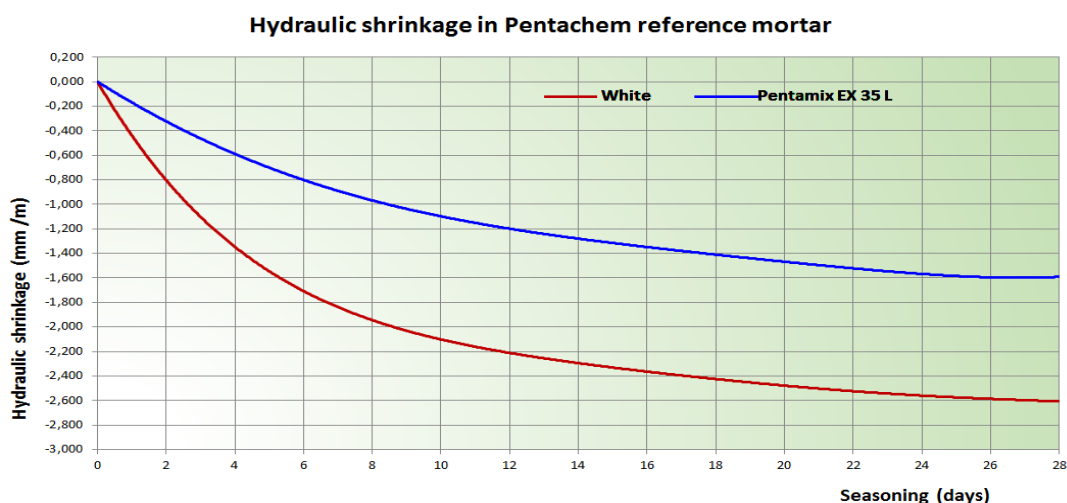
DESCRIPTION **Pentamix EX 35 L** is a liquid shrinkage reducing admixture for cement based systems and in particular for grouts and self-levelling mortars and concrete. It can be effectively used in the preparation of premixed mortars as an anti-dust agent to minimise dust level during the handling.

FEATURES **Pentamix EX 35 L** reduces both plastic and hydraulic shrinkage, acting chemically on the tensions produced before the end of setting time and during the hardening process. **It does not show any expansive action.**

The product is a white ready-to-use colorless liquid made of a cyclo aliphatic alcohol mix. **Pentamix EX 35 L** allows a reduction of the total shrinkage up to 50% after 28 days and 30% after 1 year. Cracking of the material will subsequently be reduced significantly.

USE **Pentamix EX 35 L** is suitable for the preparation on the building site of mortars, grouts and concrete based on ordinary Portland cement as well as systems containing alumina cement. **Pentamix EX 35 L** is usually used in all admixtures that need a reduction of the total shrinkage which do not want the introduction of any soluble saline substance and in all admixtures with a high water- content.

Pentamix EX 35 L is compatible with most existing accelerators, retarders, superplasticizers as the **Pentaflow** range and with all redispersible powders and liquid resins. To use it as an anti-dust, it is necessary to spray **Pentamix EX 35 L** on the premixed mixture during the mixing phase at the factory.



Pentachem mortar with cement 42,5 II/A-LL, normal sand and water.

TECHNICAL DATA	Data	Method
	State:	Liquid
	Colour:	Colorless
	Density:	0.925 ÷ 0.010 kg/dm ³
	pH _{20°C} (sol.2%)	7,5 ± 0.5
	Chloride content:	< 0.05%
	Water solubility:	Totally soluble
	Storage:	In a protected place

DOSAGE The recommended dosage of **Pentamix EX 35 L** is 0.85 – 1.7 % on the weight of cement, i.e. from a minimum of 0.920 l to a maximum of 1.850 l for 100 kilos of cement. Within this range product doesn't cause any retardation on the setting time. Different dosages can be used, depending on the expected results, after carrying out preliminary tests.

STORAGE AND VALIDITY If it is stored in a safe place, at - 25° - + 50°C, and in the original packaging kept perfectly closed **Pentamix EX 35 L** has a 12-months validity starting from the date on the delivery note.

PRECAUTIONS **Pentamix EX 35 L** is irritant by contact with skin and eyes.
If inhaled, it can cause a slight irritation of the respiratory tract, so it is advisable to use a dust mask. In case of accidental loss, it must be picked up and discharged in an authorized waste dump.
For further information see Safety Data Sheets.

PACKAGING 25 liters jerrycans.
200 liters drum.
1000 liters IBC.

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.

Pentachem Srl–Via Galvani,3–Zona Ind. Casarola–47832-S.Clemente (RN) Italy Tel.-39.2541.988026–Fax +39.0541.989557–info@pentachem.it–pentachem@pentachem.it



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =