

High-performance & Fine powder **waterproofing agent**

SYUDOX™ PR-11LS

SYUDOX™ PR-11LS is a powder type waterproofing agent for concrete and mortar use.

Features

- 1. Excellent effect of waterproofing.**
- 2. Easy to mix with other powders.**
- 3. Combination with other agents is possible.**

Appearance

SYUDOX™ PR-11LS is a white powder. It is a stable fine powder and easy to mix with other powders.



Figure 1. SYUDOX™ PR-11LS

Dosage

Depending on an application, the dosage of **SYUDOX™ PR-11LS** varies from 0.1 to 1.0wt% of a cementitious material.

Packaging

NET 10 kgs in a paper bag.

Performance

Possible to reduce the amount of water absorption from 40 to 80% by the addition of **SYUDOX™ PR-11LS**.

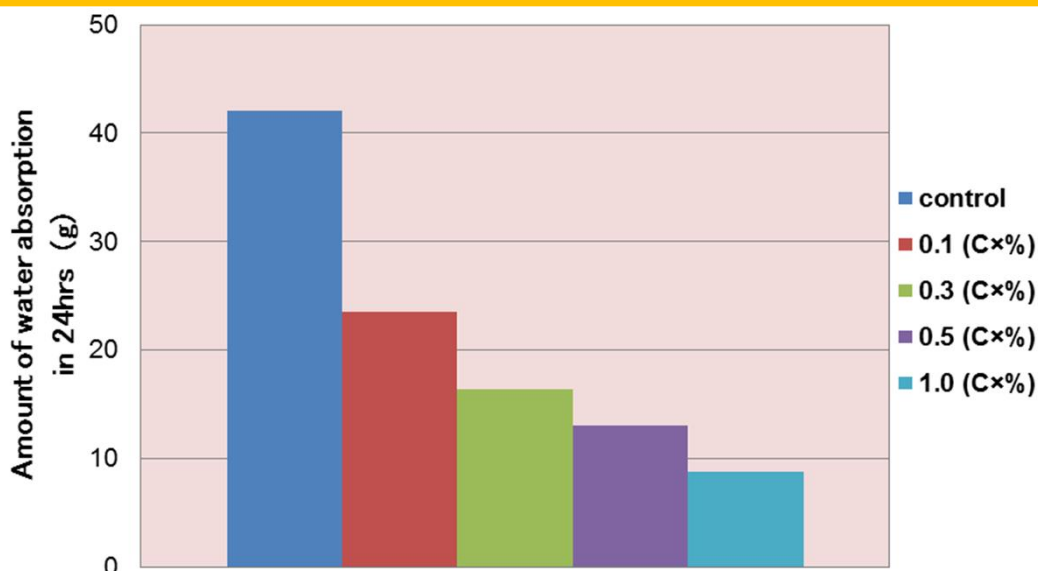


Figure 2. Relationship between waterproofing agents dosage and water absorption.

Table 1. Mixture proportion of the mortar

W / C[%]	S / C	Waterproofing agent dosage [C × %]
50.0	2.0	0.1, 0.3, 0.5, 1.0

W: Water, C : Ordinary portland cement, S : Fine aggregate (Silica sand)

Table 2. Effect of the waterproofing agent on mortar properties (at 20±2°C)

Waterproofing agent	Dosage [C×%]	Unit weight [g/L]	Mortar flow [mm]	Amount of water absorption [g] ¹⁾	Compressive Strength [N/mm ²]
				24h	28days
Control	-	2,060	192	42.0	60.0
SYUDOX™ PR-11LS	0.1	1,930	186	23.5	43.2
	0.3	1,910	184	16.4	39.7
	0.5	1,900	178	13.0	38.8
	1.0	1,900	169	8.8	37.3

1) mortar bar (4cm × 4cm × 16cm)

SYUDOX is a registered trademark of NOF CORPORATION in Japan.

Other information

This catalogue is made based on our best investigation, but, about data and the evaluation result of mention, is not necessarily a thing to guarantee. Because there is unknown hazardousness to all chemical substances, scrupulous attention is necessary for the handling. On the responsibility of the user members, we hope that safe terms of use are set. In addition, please use safety measures suitable for a use when you do the special handling. For more detail, refer to Safety Data Sheet (SDS).

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