

LIVOTON PFA

PROTEIN FOAMING AGENT FOR CELLULAR CONCRETE

FIELDS OF APPLICATION

Protein foaming agent Livoton PFA is used for the production of foam concrete from 100 to 1200 kg / m³ in plants with foam generators.

The foaming agent Livoton PFA is a product of protein hydrolysis, which allows to consistently obtain foam weighing from 20 to 80 grams / liter. This property of the foaming agent is especially important in the production of lightweight foam concrete. This makes it possible to reduce the amount of water introduced during foaming, thereby achieving an optimal water-cement ratio.

Main advantages:

- The resulting foam has a high bearing capacity in cement dough and does not collapse during mixing;
- Mixing of the foam and the solution occurs quite quickly and even at low speeds of the stirrer;
- Stability of foam in cement dough exceeds 6 hours;
- Foam is stable, does not separate water, does not settle;
- Foam concrete has a uniform structure, without large bubbles, or is not stratified in height;
- The foaming agent is clean, without sediment, does not clog the foam generator with dirt;
- Livoton PFA has a technical odor;
- Biodegradable and environmentally friendly

DOSAGE

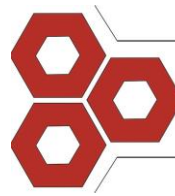
Livoton PFA is typically used in a 2.5 – 5.0 % concentration. The dosage depends on the required weight of the resulting foam.

TECHNICAL DATA

Appearance	The liquid is dark brown, without foreign inclusions
The presence of sediment	<= 1%
Density,	1,07 ± 0.05 g/cm ³
Multiplicity of foam	at least 15
Workability	from +1 °C
The pH-value	7.0 ± 1.0
Shelflife, months	approx. 12 month from date of production if stored
Storage conditions	Store in unopened, original sealed packaging between -5 °C and +30 °C. Protect from direct sunlight.



TECHNICAL DATA SHEET



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DIRECTIONS FOR USE

Working solution is prepared in a ratio of 1: 40 or 1:33, 1:25, 1:20. It depends on the required weight of the resulting foam. The water temperature should not exceed 30 ° C.

Working solution is passed through a foam generator. The recommended air and the liquid pressure in the foam generator - 0,6 MPA. Recommended weight of the foam – 60-70 grams / liter. Properly obtained foam is very stable, has a very high load-bearing capacity.

Foam must be mixed with the cement mortar. The mixing time depends on the type of foam mixer. This time should be sufficient to obtain a homogeneous mixture.

OTHER NOTES

After prolonged storage, freezing or at high ambient temperatures foaming agent before use must be thoroughly mixed.

For consistent quality foam is necessary to wash the foam generator nozzle and hose after use.

If you previously used other foaming agent it is necessary to wash the foam generator, the container with the solution hoses, replace the packing foam generator, to avoid damping foam.

At higher ambient temperature, to prevent loss of properties for storing foaming working solution is not more than 48 hours.

PACKAGING

20 kg – canister
30 kg – canister
230 kg - barrel
1070 kg - container

REMARKS

This information describes the possibilities of using Livoton PFA foam concentrate and how it works under normal conditions. The information does not apply to other uses of the foaming agent, especially in combination with other products.

This information is not a guarantee of the properties or suitability of the product. It is not intended for any particular purpose and does not constitute a complete instruction manual.

This information, other advice or verbal advice does not entail any obligations and does not lead to legal liability.

The most up-to-date information is the technical data sheet provided when ordering.

All orders are accepted subject to our current general terms and conditions.



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