

		
	PELESPRIT	
	Cement based texture finish	EN 998-1 CE

Description

PELESPRIT is a texture finish, based on white cement and aggregates for exterior surfaces. It is suitable for application on substrates such as conventional cement renderings, Thermocem or Thermocem T2, concrete blocks, precast concrete etc.

Technical Specifications

Density	:	~1.40 kg/L
Density of fresh mortar	:	~1.80 kg/L
Mixing ratio (water/PELESPRIT)	:	~14-15L / 30kg
Substrate temperature	:	+5°C min. / +35°C max.
Ambient temperature	:	+5°C min. / +35°C max.
Reaction to fire	:	Class A1
Thermal conductivity (λ_{dry})	:	$\leq 0,83$ W/mk (tab. mean value, P=50%)
Compressive strength	:	CSIV
Flexural Strength	:	$\geq 1,5$ N/mm ²
Adhesion strength	:	0,6 N/mm ² -FP:B
Water absorption	:	W2
Water Vapour permeability coefficient:	:	$\mu 3$
Pot life	:	at least 2 hours at 23°C
<u>Consumption:</u>		
It depends on the thickness, as well as the type of substrate. Indicatively: 5-6kg/m ²		

Instructions for Use

SURFACE PREPARATION

All surfaces should be clean, free of dust, oil, residues of other building materials, etc. before applying the product. Cracks or dents on the substrate must be suitably filled and allowed to set. The substrate must be sprayed with water, before applying the mixture, especially in periods of hot weather. In such case, surface film should be allowed to dry after spraying, so as not to inhibit adhesion of **PELESPRIT**.

MIXING

All equipment and containers should be clean, free of dust, residues of previous mixtures and/or other building materials, etc. so as to not adversely affect the setting time and the mechanical properties of the product.

Depending on the desired consistency, add approximately 14-15L of clean water for every bag (30kg) **PELESPRIT**.

Use a low speed mechanical stirrer or a concrete mixer for the preparation of the texture finish. Pour the appropriate amount of clean water, into a suitable mixing container and while stirring, add the proportional quantity of dry powder. Mix for at least 3 minutes, until a homogeneous, free of lumps mixture is obtained and the desired consistency is achieved.



Depending on the weather conditions, the pot life of the mixture is at least 2 hours, if stirred periodically. In case the mixture has started to set before it is used, dispose immediately without using it. In any case, do not add additional water for remixing and/or for improving its workability.

APPLICATION CONDITIONS

Use only at temperatures between +5°C and +35°C. During winter or periods of low temperatures (5-10°C), it is advisable that warm water (approx. 30°C), is used for the mixing and if possible, the application to be performed during noontime. On the contrary, use cool water (approx. 20°C), for the mixing during summer and generally at ambient temperatures exceeding or expected to exceed 35°C.

APPLICATION

PELESPRIT can be applied by a tyrolean machine or by a special compressed-air spraying machine. First, a thin layer is applied and then, with a cross movement, the desired thickness is achieved. Apply the mixture with a steady, continuous movement.

Alternatively, a smooth final surface may be desired. In such case, a thin layer is initially applied as described above, and then the pressure of the compressor is decreased and the final coating is applied. Immediately the mixture is pressed using a trowel, in order to achieve a smoother result.

After 24 hours from application, the final surface is periodically sprayed with water for up to 2-3 days, especially during hot and/or windy weather, or generally when intense evaporation of the mixing water is likely to occur.

The final surface can become waterproof and also become protected from discolouration (due to rain), or fungus growth etc., by spraying STONOSEAL on it (*see note 1*).

CLEANING OF EQUIPMENT

Clean all tools and mixing equipment thoroughly with plenty of water after completion of work, while the plaster hasn't set. Use mechanical methods to remove hardened material.

REMARKS / LIMITATIONS

- Use only fresh, clean water for both mixing and cleaning.
- Avoid using material which was stored in open bags for a long period of time, as it may contain lumps or be contaminated.
- Never add water or new product to the mixture which has started to set, in order to improve its workability.
- Do not add cement, gypsum, sand or any other materials to the supplied product, as this will negatively affect the end results of the product.
- Avoid using the product under extreme weather conditions, such as direct sunlight and strong winds.

PACKAGING

30kg multiwall paper bags (one layer of which is made of PE-HDPE).

STORAGE / SHELF LIFE

Store under dry conditions and away from direct sunlight, in a sheltered, free from water and moisture area. Store in closed bags preferably in the original packaging, onto a pallet or generally without direct contact with the floor.

The product has a shelf life of up to 3 months from production date, when stored properly in the original, unopened bag.

Health and Safety Measures

- The product contains cement, which reacts as alkaline with water, moisture, sweat and/or other body fluids so it is classified as irritant. Follow normal precautions as with all cementitious materials and products.
- Harmful in contact with skin.
- Harmful if inhaled.
- Harmful if swallowed.
- May cause respiratory irritation.
- Keep out of reach of children.
- Wash body and clothes thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear respiratory protection.
- Please refer to Safety Data Sheet for more information and advices regarding the safe handling, storage, use and disposal of the material.



Note 1: STONOSEAL: Colourless, silicone based water repellent solution, see Technical Data Sheet.

Note 2: All Technical Data provided on section "Technical Characteristics" are based on laboratory trials and tests, under conditions which may significantly differ from the ambient application conditions. Therefore, the actual technical characteristics may vary due to conditions or circumstances beyond company's control.

Note 3: The information provided by our Technical Data Sheets or given by our employees, agents or distributors concerning the use of our products, is based upon extensive research and experience and are provided in good faith in order to help you.

We guarantee the consistent high quality of our products; however, as we have no control over site conditions of the executions of work, we cannot accept any liability for any loss or damage, which may arise as a result thereof.

Note 4: All cement based products, must be stored in dry sheltered places, on wooden pallets. Even under these circumstances, the products are influenced by the atmospheric moisture after a period of time. Since this period is not defined or standard, we strongly advise our customers not to use hardened products or if, generally, its quality due to storage is uncertain.

