



NanoMortar F

Polymer-modified, cementitious, finishing mortar

Description	<p>NanoMortar F is a single-component, polymer-modified, cement based material used for achieving a smooth finish on precast, cast-in-place, tilt-up or other unfinished concrete surfaces. This fast setting mortar offers superior adhesion and durability. It is not a vapor barrier, contains no added gypsum, has excellent workability for trowel application. With its smooth feel, NanoMortar F is an excellent product for filling in bug holes and other small imperfections in concrete surfaces. Leveling mortar on uneven substrates, and profiled concrete surfaces.</p>	
Primary Applications	<ul style="list-style-type: none"> • Skim coat on interior, exterior, vertical or overhead surfaces for filling bug holes and honeycombs • Finishing concrete surfaces with imperfections, where a smooth finish is desired 	
Features /Benefits	<ul style="list-style-type: none"> • Single-component, easy to use add water only • Rapid setting • Trowel able • Superior adhesion and durability • Has no added gypsum • User friendly • Good mechanical strength 	
Properties	Appearance	Cement grey powder
	Pot life	40-50 minutes at 20°C
	Mechanical strengths (at 28 days) 20% water:	
	Compressive strength	25 - 30 N/mm ²
	Flexural strength	4 - 6 N/mm ²
	Adhesion	1.5 N/mm ²
Packaging	20 kg bags.	
Storage	Store in a dry and cool place below 35°C. Protect from direct sunlight.	
Shelf life	1 year in original, unopened packaging.	
Instruction for use	<p>Surface Preparation: Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Abrade the surface by mechanical means to achieve a surface profile equal to CSP 2 in accordance with ICRI Guideline 310.2. Properly clean profiled area.</p> <p>Mixing: NanoMortar F requires 4 to 4.6 Ltr of potable water per 20 kg of material. Use a power drill with a "jiffy" type mixer to mix single bags. For larger applications, a paddle type mortar mixer is recommended. The material is stiff initially but relaxes within 3 minutes of mixing. Do not add additional water to loosen the mix. Properly mixed product will have a smooth, thick, pancake butter like consistency.</p> <p>Application: At the time of application, the surfaces should be saturated surface dry (SSD). Brush or trowel NanoMortar F onto the substrate, scrubbing or forcing the material into all pores and voids. After reaching the desired consistency, double back with additional material and press firmly in place. Trowel to a smooth finish.</p> <p>Curing: Follow ACI guidelines for curing. In the case of high temperatures, high wind, or low humidity causing rapid surface drying, use a fog curing system or Nanoseal Flex a protective coating. Do not use solvent based curing compounds.</p>	
Cleaning & Disposal	NanoMortar F may be removed from tools and equipment with warm, soapy water before the dries. Don't dispose of into water or soil but according to local regulations.	
Precautions/Limitations	<ul style="list-style-type: none"> • NanoMortar F is not a wearing surface. • Minimum ambient and surface temperature must be 45°F (7°C) and rising at the time of application. • NanoMortar F can be applied to a maximum thickness of 3 mm per application. • Do not add more water, re-temper or over-trowel. 	
Health & safety	<p>In case of contact with the skin, wash immediately with soap and water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately do not induce vomiting. Skin barrier cream, safety goggles and rubber gloves are recommended. carried out in accordance with local legislation under the guidance of the local waste regulatory authority.</p>	