

Technological instruction No. 06-001

HC-4

Catalogue No.: 650400

HC-4 is water soluble primer.

 ČSN EN ISO 14001
 ČSN EN ISO 9001


CHARACTERISTICS

Application It serves for forming of adhesive interlayer of external thermal insulation composite systems (ETICS) of STX.THERM® line, on surfaces of cement-fibre boards, chipboards, plasterboards, renders and backfillings, concrete, old facings in exterior and interior (in interior including sheet plates, fibre-glass, glass) under the following materials: ALFAFIX®, BETAFIX® SF, colours of GAMADEKOR® line, renders of ALFADEKOR, BETADEKOR® SA., A., I.

Characteristics It reduces absorbability of the base, increases absorbability of the base, improves adhesive capacity of applied materials, wide scale of tints.

Appearance dim

TECHNICAL DATA

Criterion	Standard/test regulation	Value/Unit	Notes
Density	EN ISO 2811	1.4 - 1.6 g/cm ³	
Diffusion-equivalent air layer thickness	EN ISO 7783-2	0.11 m	
Water vapour diffusion resistance factor μ	EN ISO 7783-2	550	
Grain size	EN 1062-1	1.0 mm	S ₃ rough

The specified characteristic parameters are average values. Due to the use of natural raw materials in our products, the specified values may insignificantly differ in individual deliveries. This, however, does not compromise suitability and reliability of our products.

SUBSTRATE

Requirements The base must be firm and consistent, cleaned from dust, grease spots and all impurities that could reduce the colour adhesive capacity to the base. The colour is applied on common construction bases (including seamless base layers of ETICS of STX.THERM® line). Only bases resistant to supposed load may be used (for example in exterior only bases resistant to frost eventually to defrosting salts may be used). Unstable, inconsistent and polluted places of bases must be removed mechanically, repaired and impregnated. Flatness of bases must meet the requirements of the consequently realised surface treatment. Bases with lower flatness must be repaired, levelled eventually smoothed.

Preparation of the material Metal bases must be treated with anti corrosive painting before application of the HC-4 primer. At realisation of surface treatment and adhesion on not firm and volume unstable bases (cement-fibre or chipboards, plasterboards, fibre-glass etc), especially in spaces exposed to significant humidity and temperature changes, the requirements and instruction of producers of the said materials must be observed at preparation of bases and technology of realisation.

APPLICATION

Climatic conditions during application Range of working temperatures is from +4 °C to +30 °C (air and base) and the applied material must be secured against frost and rain up to complete drying. Do not apply under rain, strong wind nor directly sunlit surfaces.

Preparation of the material	Before application the HC-4 primer is mixed by means of mixing adaptor and consistency will be adapted according to application manner by adding of maximally 5% of drinking water.
Consumption	(kg/m ²) Primer HC-4: 0.19-0.35
Spreading capacity	93 m ² / bucket (24 kg) according to the base
Application	The HC-4 primer is applied by selected types of felt rolls, quality brushes, flat mohair applicators, spraying applicator without air that enables application of dispersive colours with content of abrasive fillers to 0.80 mm. The colour is applied in one layer of thickness of approx. 0.150 mm. Adjacent surfaces (windows, doors, banisters, switchgear boxes etc) must be protected against pollution by a suitable foil, tapes etc. Any polluted area must be cleaned in time because removal of dried material is difficult.
Drying, curing, revision time	The drying time depends on the temperature, strength of wind and relative humidity. Adverse conditions slow the drying process down. On principle, protective measures must be taken (e.g. protection against rain, protection against sun by shading) on the worked or just finished surface under adverse conditions. At an air temperature of +20 °C and relative air humidity re-work is possible not earlier than after 4 hours.
Cleaning tools	Immediately after use clean with water.
Instructions, recommendations, specialties, other	When used for airless paint spraying, it is necessary to use a sufficiently proportioned suction branch and check pipe bends of the device, since this colour might cause problems during the conveyance of material.

DELIVERY

Colour hue	white, tintable Colour shade accuracy: On the basis of chemical and/or physical binding processes and in varying climatic and exposure conditions, no guarantee of accuracy and evenness of colour shade can be given, particularly with: - irregular absorption of the foundation - irregular humidity of the foundation - partially considerably different alkalinity of the substances contained in the foundation - direct exposure to sunlight with strongly limited shade formation on a freshly applied area Emulsifier washout: Based on the conditions slowing down the drying process, surface phenomena (leaches) may appear in the initial phase in not dried coats due to the effect of condensation, vapour, splashing water or rain, because of the auxiliary, water-soluble substances contained in them. Depending on the colour shade intensity, the described effect may differ, which, however, is not material quality deterioration. Such effects usually spontaneously disappear with further exposure to weather conditions.
Tintable	full colour scale
Packing	The product is packed in 5 kg, 14 kg or 24 kg plastic portable buckets.

STORAGE

Storage	When storing in the tightened closed original packages the guarantee period is 12 months from the date of production. Protect against frost, do not store in sun-radiated places.
Storage period	12 months from the date of production.
Ecology	Liquidation of not used remains is done by watering and depositing of the hardened inert substance as a building waste. Used packaging is liquidated as composite waste according to the valid legislation.

IDENTIFICATION

Product group	primer
Composition	polymer binding substances, pigments, fillers, modifying additives
Safety	Not mentioned anymore. Hazard determining components: The product is not dangerous. Additional information: Not stated. VOC contents: Category A, Subcategory d, VOClimit = 130 g/l, HC-4: VOCmax = 23.28 g/l of material ready to use.

SPECIAL INFORMATION

Regarding orders, transport, handling and storing, general sales conditions are applicable. Usage of the product is described in relevant technological sheet. Respect safety sheet instructions. The prescription is available at authorized dealers and on the address **www.stomix.com**.

The information provided takes in account the current status of the technology. We give general instructions based on our experience with application and results of the material tests. However, the information provided can't take into account the local conditions during the application, therefore, it can't be legally binding. In case of doubts or need to solve specific technical problems, please contact us.



WWW link