

Technological instruction No. 06-002

HC-5

Catalogue No.: 650500

The HC-5 is water soluble primer.

 ČSN EN 9001
 ČSN EN 14001
ISO ISO


CHARACTERISTICS

| | |
|------------------------|--|
| Application | It serves for forming of adhesive interlayer of external thermal insulation composite systems (ETICS) of STX.THERM® line in exterior and interior under silicon and silicate renders BETADEKOR® SIF, SID and VF, VD. |
| Characteristics | The dried paint reduces absorbability of the base and improves adhesive capacity of applied materials. |
| 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 | 0.01 m | |
| Water vapour diffusion resistance factor μ | EN ISO 7783-2 | 30 | |
| Grain size | EN 1062-1 | max. 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). Mineral bases, namely renders and concrete must be matured (28 days at least, the base layer of the ETICS of STX.THERM® line minimally 24 hours), consistent, dry and clean. 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). |
| Preparation of the material | 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. At realisation of surface treatment 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. |
| Preparation of the material | Before application the HC-5 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-5: 0.19-0.35 |

| | |
|--|---|
| Spreading capacity | 93 m ² / bucket (24 kg) according to the base |
| Application | Primer HC-5 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 material hardens physically through water vaporisation. 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 rework 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 except tint of groups a,b |
| 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, water-glass, pigments, fillers, modifying additives, biocide agents (protection against moulds, fungi and algae) |
| Safety | Not mentioned anymore. Hazard determining components: The product is not dangerous. Additional information: Not stated. 0100 VOC: Product category A, product subcategories d. The maximum permissible limit VOC content in the product ready to use is 130 g/l mass. Maximum VOC content in the product ready to use is 0,025 g/l mass. |

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