

URBAN COAT

POLY-ACRYLIC RESIN WATER-BASED
COATING FOR URBAN AREAS



DESCRIPTION

BTECH Urban Coat is a one-component coating based on poly-acrylic resins and selected special fillers, water-based. Once applied, the product provides high resistance to aggressive chemical agents, weathering, low and high temperatures. Urban Coat is designed for the coating of areas intended for urban furniture (cycle paths, playgrounds, pedestrian routes, etc.). Once applied it forms a continuous layer, abrasion-resistant, with very good grip, suitable also for heavy vehicular traffic.

FIELDS OF APPLICATION

- Coating and protection of cycle paths;
- Coating and protection of pedestrian routes;
- Coating and protection of urban areas;
- Coating of multi-purpose sports areas.

PRODUCT DATAS

Base	Water
Catalysis ratio	One-component
Mix ratio	-
Composition	Poly-acrylic resins
Appereance	Pasty liquid
Specific weight	1.5 kg/L
Dry residual	76.0%
Dilution	Water
Pot Life	Not applicable (one-component)

CONSUMPTION

2.0–3.0 kg/m² (applied in several coats).

This consumption value is based on application on a smooth surface in excellent condition. Factors such as highly porous substrates, temperature, relative humidity and application methods may alter the actual consumption of the product.

COLORS

Urban Coat is available in the following colours:

- White
- Blue
- Red
- Green

PACKAGING

Urban Coat is supplied in the following packaging size:

- 20.00 kg



Date 15/10/2025

Str, Via Piero Gobetti, 8,
15057 Tortona AL
Tel. 0131 866312

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PRODUCT SHEET

Test	Value	Standard
Viscosity	70,000 ± 5,000 mPa·s	-
Wet abrasion	> 15	-
Taber abrasion test	< 0.1 g (<1%)	-
Tensile strength	0.7 N/mm ²	-
Elongation at break	110%	-
Hardness	60 (Shore A)	-
Colour change after 1,000 h	< 0.8	ASTM G 155 cycle 1
Water-vapour diffusion resistance factor	250 µm	UNI EN ISO 7783-2
Water vapour transmission resistance (0.5 mm)	0.12 m	UNI EN ISO 7783-2
Capillary water absorption coefficient	0.09 kg/m ² (h 0.5)	UNI EN 1062-3
Adhesion to concrete	2.4 N/mm ²	-
Freeze-thaw cycles resistance	No defects after 10 cycles	-
Slip resistance class	S4 (SRT ≥ 60)	UNI EN 1436
Resistance to saline solutions	Excellent, no defects	-
Resistance to engine lubricants	Excellent, no defects	-
Resistance to fuels	Excellent, no defects	-

APPLICATION

SUBSTRATE PREPARATION

The preparation of the substrate is essential in order to achieve an excellent result and long service life. The substrate must be perfectly dry, clean, compact, cohesive and free from any contamination (dirt, dust, grease, oils, paints, salt efflorescence, moss, vegetation, etc.) that may impair adhesion of the coating. The residual moisture content of the substrate must not exceed 5% (to determine the moisture level, a digital moisture meter or carbide hygrometer must be used).



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- Concrete substrates and cement screeds: depending on the type and condition of the substrate, the surfaces must be properly prepared by sandblasting, shot-blasting, mechanical scarification, bush-hammering or other suitable method, to be evaluated according to the specific case. Any depressions, holes or cracks must be repaired in advance with suitable repair products (SIGIL TOP M or Epostuc S), chosen according to the thicknesses to be reinstated.

PRODUCT PREPARATION

One-component product, ready to use. Mixing is not strictly necessary, but it is recommended to stir the content of the container to obtain perfect homogeneity of the product.

PRODUCT APPLICATION

The product can be applied using conventional techniques: rubber trowel. After preparing the substrate, proceed with the application of Urban Coat in an even manner in two or more coats.

CLEANING EQUIPMENT

Clean all tools and equipment immediately after use with water. Once cured, the product can only be removed mechanically.

STORAGE

The product must be stored in its original, undamaged and tightly closed containers in a dry place, away from sources of heat, at a temperature between +5 °C and +25 °C for a maximum of 12 months. Please also refer to the storage recommendations provided in the Safety Data Sheet and on the product label.



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PRODUCT SHEET



PRODUCT APPLICATION

- Do not apply the product at temperatures below +5 °C;
- Do not apply if condensation is present on the substrate;
- Do not apply on wet surfaces with residual moisture content >5% or subject to rising damp;
- Do not dilute the product with unsuitable solvents;
- Do not apply if rain is forecast;
- Do not apply in the presence of fog or mist;
- Adhesion and compatibility on substrates are guaranteed when used with Tecsit systems;
- The data and values given are valid only when used as part of a BTECH system;
- Identical RAL codes with different production batches may show slight colour variation.

HEALTH AND SAFETY INFORMATION

For information and advice regarding safe handling, storage and disposal of chemical products, the user must refer to the latest version of the Safety Data Sheet, containing physical, toxicological and other safety-related data. Do not release the product or empty containers into the environment.

Product for PROFESSIONAL USE ONLY.

LEGAL NOTICE

The information and recommendations given above, although they correspond to our best experience, must in any case be considered purely indicative and must be confirmed by exhaustive practical applications. Therefore, before using the product, anyone who intends to make use of it must determine whether it is or is not suitable for the intended application and, in any case, assumes all responsibility that may arise from its use. Always refer to the latest updated version of the technical data sheet, available on the website btechitalia.eu.

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