

*Technical and material data sheet*

# **ALPHA PRIMER CT**



*Reflective insulation  
coatings*



Downloads

The product ALPHA PRIMER CT is a deep penetrating coating. It acts as an adhesion bridge and primer to strengthen and reduce the absorbency of the surface material. The product is vapour permeable. Use on all mineral and concrete surfaces. The coating is health friendly and environmentally friendly.

#### Main Application

- Penetrating coating for interior and exterior
- Unification of different surface absorptivity
- Strengthening of the surface
- Increase the adhesion of other coatings

#### Application

ALPHA PRIMER CT is used as a primer and adhesion coating for the other product ranges ALPHA ISOLATION, ALPHA INNER, ALPHA FACADE and ALPHA COVER.

#### Technical properties

Theoretical consumption <sup>1</sup>	100 ml/m <sup>2</sup>
Practical consumption	Practical consumption depends on many factors such as porosity, surface roughness and material loss during application.
Dilution	Not diluted
Recommended wet film layer	100 µm
Stirring	Always the whole package before opening
Stirring during prolonged application	Stir every 40 minutes
Packaging	2 and 5 litres / 2 and 5 kg
Density	1,01 g/cm <sup>3</sup>
Appearance	White
Colour	Cannot be coloured
Gloss level	Matte

Odour	Odourless
Shelf life <sup>2</sup>	24 months, must not freeze
Flash point	Non-flammable

### Repaintability and curing time <sup>3</sup>

To the touch	1 hour
For handling	1 hour
For the next layer	2 hours
Fully dried	24 hours

Safety instructions

**Read the Technical and Safety Data Sheet**

1 Consumption depends on the surface

2 Stored in original and sealed containers at a temperature between +5 °C - +35 °C

3 At +20 °C and 50% PH

### Surface preparation

The surface must be free of loose elements, dry, firm, free of oil and grease stains, free of dust, mould, salts, rust and old incoherent coatings. The surface must be perfectly hardened and structurally uniform. Before applying the technology, the surface must be perfectly mature. We first apply to fresh plaster after it has dried completely.

Suitable for all porous surfaces such as concrete, raw masonry surfaces, stone, unglazed ceramics, plaster, plasterboard, etc,

#### Procedure and application / tools

The coating must be thoroughly mixed before application! Always mix the entire contents of the package!

On properly prepared surfaces, ALPHA PRIMER CT can be applied in one, ideally up to two coats, depending on the absorbency of the surface, preferably with a soft brush or roller, in a crosswise manner.

The material consumption is influenced by the surface texture and the method of application. Apply the coating in individual coats as required and always in accordance with the application instructions. During prolonged application, the coating must be stirred. In case of higher ambient temperatures (e.g. direct sunlight), mix the coating more frequently. The coating should not be handled in damp environments.

After approx. 2 hours, once the surface is dry to the touch, continue with a second coat. Avoid applying excessive amounts and prevent puddles from forming. Apply the coating in complete areas.

#### Do not apply coating if

- rain is expected when applied outdoors.
- the coating must not be exposed to direct rain for at least 6 hours after application
- the relative humidity is > 80%.
- surface moisture content is > 4% (concrete: > 2.5%)
- temperature of the substrate (surface) and environment is < +17 °C
- ambient temperature is > + 35 °C
- the surface is exposed to direct sunlight and the ambient temperature is > + 35 °C

After opening the original packaging, it is recommended to consume the contents as soon as possible, keep unused coating in a sealed container with as little air above the surface as possible. The applied coating must not be exposed to direct steam, water or other liquids for long periods of time.

Cover areas where the coating will not be applied with material to protect against contamination of unpainted surfaces: masking film, non-woven fabrics, tape, etc.

#### Application conditions

- Surface temperature: +17 °C min. +35 °C max.
- Ambient temperature: +17 °C min. +35 °C max.
- Relative humidity: < 80 %

#### Drying conditions

The coating does not require any special measures during drying (curing). Drying time depends on air temperature, humidity and surface temperature.

#### Drying time

Drying time depends on the surface temperature and humidity. The drying (curing) time is a maximum of 24 hours. Apply the next coat only after the previous coat has completely dried. The ambient temperature during drying must be at least +17 °C, ideally +23 °C.

#### Cleaning tools

With water - as soon as possible after use.

#### Storage / transport / shelf life

This product retains its useful properties for at least 24 months from the date of manufacture when stored in the prescribed manner in the sealed, intact original packaging. Store at a temperature of +5 °C to +35 °C, humidity up to 80 %. The temperature during transport of the material should not fall below +5 °C and rise above +35 °C. Protect the product from direct sunlight, frost and high temperatures during transport and storage.

#### Notice

The products can be applied when the surface temperature is above +17 °C and the air temperature is between +23 °C and +30 °C. Avoid application if adverse weather conditions are expected during the curing period (wind, increased dustiness, rain, frost).

**Read the Technical and Material Data Sheet, Safety Data Sheet and Application Manual before use.**

#### Note

The information contained in the Technical Data Sheet corresponds to our current knowledge of the manufacturer. Products are of the highest quality and uniform within manufacturing tolerances. The values and data given in this Technical Data Sheet are based on the results of laboratory tests and manufacturer's testing. The information given, especially the advice for the processing and use of the coating, is based on experience with practical applications under standard conditions and proper storage and use.

These values may vary with practical application. Due to variations in processing conditions and other external influences, and the varying nature and treatment of surfaces, a procedure based on the information given, or other written or oral recommendations, may not always guarantee a satisfactory working result. All recommendations made by the manufacturer or distributor of the coating are general. The applicator must verify that the coatings are suitable for the intended purpose of application. The latest edition of the application instructions and product data sheet should always be followed. These, together with other information, are available on request from the manufacturer. Purchasers and users are encouraged to perform a self-test on a sample of the area to be coated prior to application.

The manufacturer shall not be liable for defects resulting from failure to follow the instructions for use given in the Technical and Material Data Sheet, Safety Data Sheet and Application Manual.

#### Precautions for handling the products

The coating does not contain substances harmful to health, is not labelled or classified as hazardous to health.

#### Safety precautions

Use protective equipment such as goggles, gloves, protective clothing, etc. to protect eyes and skin when working. Protect the respiratory tract with a suitable respirator in confined spaces and during spray application. Provide ventilation in case of application in closed rooms. More detailed information on hygiene, occupational safety and environmental protection is given in the safety data sheet.

Wash splashed skin with soap and water. Rinse mouth with water if swallowed. If eyes are affected, flush with a stream of water. Exit to fresh air if inhaled.

The material is non-flammable. In the event of a fire in structures, equipment or buildings to which the coating has been applied, we recommend the use of water, foam, dry chemical extinguishing agents or carbon dioxide to extinguish the fire. In the event of a coating leak or spill, use any absorbent material such as sand, etc.

#### Disposal of packaging/product

The material is not classified as an environmentally hazardous substance (Act No. 185 2001 Coll. on Waste). Dispose of unused material or packaging in accordance with applicable regulations. Clean packaging: category 'O' 15 01 02 - Plastic packaging; Product residues: category 'O' 08 02 99. Keep out of reach of children. Packaging is fully recyclable.

#### Date of last revision

1.2.2023

#### Version

For professional use only

#### Producer



**ALPHA CZECH s.r.o.**  
Na Příkopě 854/14  
110 00 Praha 1 – Nové Město  
Czechia  
[www.alphaczech.com](http://www.alphaczech.com)

#### Distributor



**Saeed Salem Khalfan SSK Enterprises LLC**  
Al Quoz Industrial Area 1  
P.O.Box 11803, Dubai, U.A.E  
+971 4 347 2255, [info@sskgroup.com](mailto:info@sskgroup.com)  
[www.sskgroup.com](http://www.sskgroup.com)