

# Capatect EcoFix 055/10

Moisture-hardening one-component polyurethane adhesive for bonding Capatect EPS thermal insulation boards on façades. Polymer integrated flame proofing – without plasticiser



## Product Description

Field of Application	Capatect EcoFix 055/10 is a moisture-hardening, polyurethane-based adhesive foam for the bonding of Capatect EPS thermal insulation boards (mainly provided with tongue and groove) on facades. The material has a high adhesive strength on concrete, masonry, render/plaster, wood, glass bricks, and metals. Do not apply on dusty or frosted substrates.
Product Properties	<ul style="list-style-type: none"> <li>■ Fire behaviour to German DIN 4102 B2 (normally inflammable / combustible); when used within Capatect ETICS system – DIN 4102 B1 “schwer entflammbar” / hardly combustible (of low flammability)</li> <li>■ Fast moisture based curing</li> <li>■ No re-expansion activity</li> <li>■ Excellent adhesion on nearly all current building materials</li> <li>■ Surface is free of stickiness after approx. 10 minutes</li> <li>■ Thoroughly hardened after approx. 12 hrs (depending on temperature and quantity)</li> <li>■ Handy pack size</li> <li>■ Contains no free plasticizer</li> <li>■ Polymer integrated flame proofing</li> <li>■ Toxicologically harmless</li> <li>■ CFC-free</li> </ul>
Packaging/Package Size	Carton with 12 pressurised aerosol cans (750 ml). Keep carton to recycle empty cans.
Colours	Orange
Storage	Protected against insolation and temperatures above 50 °C. Store upright in a dry, cool area. Shelf life: approx. 9 months from production. (Production date as per marking on the can). Store apart from foods.
Technical Data	<ul style="list-style-type: none"> <li>■ Heat conductivity: <math>\leq 0.040</math> [ W/(m · K) ]</li> <li>■ Temperature resistance: cured foam: up to 90 °C</li> <li>■ Raw density: 25-35 [ kg/m<sup>3</sup> ] after curing in cavities</li> <li>■ Consistency: liquid formula to generate foam</li> </ul>
Supplementary Product	056/20 Capatect-Dosierpistole (foam gun) 056/10 Capatect-Reiniger (cleaner)
Product No.	055/10



## Application

**Note: Store the can before use for one or two days at room temperature (+10 °C up to +30 °C). Always wear safety glasses/goggles and protective gloves**

Before processing of the adhesive attach the adapter tubes (supplied in the carton) on the foam gun to achieve a uniform cell structure. Actuate the foam gun very slowly.

Start applying when the adhesive material comes out evenly. Apply the adhesive material thoroughly to the reverse side of the thermal-insulation board as a bead surrounding the border area. Apply a "W-" or "M"-shaped line of material in between.

The adhesive foam must be in contact  $\geq 40\%$  with the board surface as well as with the wall surface. Apply the material sparingly - the adhesive foam expands with factor 1.5 (approx.).

Skinforming after approx. 3 to 4 minutes, depending on air moisture and temperature. Thoroughly hardened after approx. 12 hrs.

Use Capatect-Reiniger 056/10 (Cleaner) to remove fresh adhesive.

After curing, cut the protruding adhesive foam with a knife. The adhesive foam to protect against sunlight: Not UV resistant. If necessary clean up. Use Capatect Reiniger 056/10 (gun cleaner; do not use on surface containing EPS).

Substrate Preparation

Surfaces must be suitable for adhesives: flat, clean, dry, solid, sound and free from all substances. Tape window sills and other attachments.

Consumption

About 4 to 5 m<sup>2</sup> per can - as guideline for consumption. Project and processing characteristics can influence as well as climatic conditions.

Application Conditions

During application and curing phase temperatures should not fall below +5 °C or rise over +35 °C for the material, substrate and ambient air. The material should not be applied in direct sunlight, during strong wind, fog or high relative humidity.

Drying/Drying Time

Note: High humidity, wet surfaces and / or low or high temperatures can influence and affect the drying time significantly.

Tool Cleaning

Clean tools and foam gun immediately after use with Capatect-Reiniger 056/10 (Cleaner)

Bonding of Insulation Boards

Apply the adhesive material thoroughly to the reverse side of the heat-insulating board as a bead surrounding the border area. Apply a "W"- or "M"-shaped line of material in between, in dead centre and all-consuming.  $\geq 40\%$  surface area must be in contact with adhesive material.

Place the Capatect thermal insulating boards for facades thoroughly with lateral offset (staggered) to the substrate and align, immediately after having finished the application of adhesive material. (Skinning of adhesive due to a too long waiting time will lead to diminished adhesion to the substrate and must be avoided.)

Use suitable retaining clips to avoid the slipping of freshly applied heat-insulating boards on lintels and openings.

Check the freshly apply boards for a correct positioning and provide for their alignment, if necessary, using straightedge or water-level.

Shake the container well for 10 seconds after longer breaks.

The thermal insulating boards can be coated after a waiting time of 3 hrs.

Fresh material splashes can be removed with PU cleaner or acetone (Solvents! Not for use on EPS-boards!).

Hardened adhesive can be cut off.

Hardened foam is not stable against sunlight. Protect the adhesive against sunlight.

### Dowel fixing

Each board should be additionally dowelled onto suitable substrates with minimum one constructional dowel. For all other substrates: Dowelling in accordance with national regulations for wind loads and ETICS application instructions.

Dowelling can be started when the PU foam is thoroughly hardened, 3 hrs after bonding at the earliest.

**Note: Always wear protective gloves and safety glasses/goggles while replacing of empty cans.**

## Advice

Special Risks (Hazard Note) / Safety Advice (Status as at Date of Publication)

Product intended only for professional processing.

Extremely flammable.  
 Irritating to eyes, respiratory system and skin.  
 Evidence of a carcinogenic effect.  
 Sensitization by inhalation and skin contact.  
 Harmful: Do not breathe vapor.  
 Risk of serious damage to health by prolonged exposure through inhalation.

Wear appropriate protective gloves and protective clothing.  
 In case of accident or indisposition seek medical advice immediately (if possible show the label).  
 Use only in well ventilated areas. This material and its container at hazardous or special waste.  
 Contains isocyanates. Note the manufacturer's instructions (Material Safety Data Sheet).

Identification as an aerosol:  
 Pressurised can  
 Protect from sunlight and temperatures above 50 °C.  
 Do not open or burn can even after use.  
 Do not spray on naked flame or any incandescent material.  
 Keep away from sources of ignition.  
 No smoking.  
 Keep out of reach of children.

People who are already sensitized to diisocyanates, the use of the product may cause allergic reactions. Persons with asthma, eczema or skin problems: avoid contact, including skin contact, using the product. Do not use product inside buildings with poor ventilation or - if necessary - use respirator with appropriate gas filter (type A1 to EN14387)

In case of contact of fresh adhesive with the skin immediately remove the adhesive mechanically.  
 Wipe off the residue with the aid of vegetable oils (such as salad oil).  
 The cured product can only be removed mechanically.

Please Note (Status as at Date of Publication)

See also Material Safety Data Sheet (MSDS)

Disposal

**Disposal**

Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be given to removing wastage from site in compliance with standard construction site procedures.

In Germany: Return guarantee for Capatect EcoFix 055/10 cans in line with the PDR Recycling System. See advice on the carton. Keep the original carton for disposal.

Dispose of non emptied cans as per European Waste Code EWC 17 05 04 (packaging with harmful impurities).

Risk and Transportation Markings

Identification of hazards and transport (German GGVS/ADR class 2 / 5F  
 Identification to Transport of Dangerous Goods Act:  
 F+ "Extremely flammable"  
 Xn "Harmful"

This product contains diphenylmethane-2,4'-diisocyanate.

Giscode

PU80

Customer Service Centre

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