

Constructing Tomorrow

# ELASTOSPRAY<sup>®</sup>, ELASTOSPRAY<sup>®</sup> LWP and SKYTITE<sup>®</sup>.

The advanced and flexible way of spray foam insulation

 **BASF**

We create chemistry

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# What is Spray Foam?

With Elastospray®, Elastospray® LWP and Skytite®, BASF has developed a versatile spray foam system for a broad field of applications covering virtually all areas of flat and pitched roofs, ceilings, walls and floors.

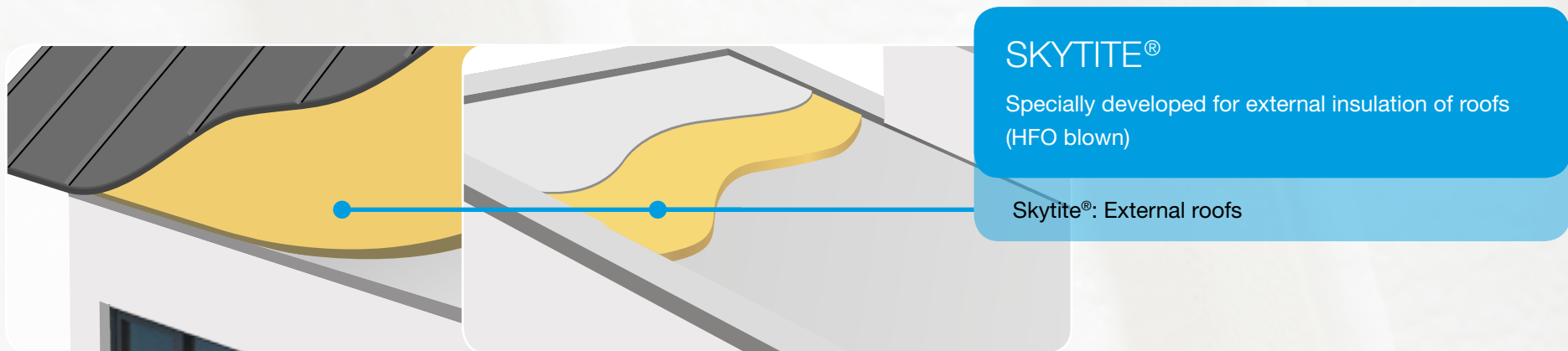
The closed-cell, rigid polyurethane foam is produced by an exothermic reaction between a polyol mixture and an isocyanate. At the end of the reaction phase, the foam begins to solidify and cure. Applied with a spray gun in several layers, Elastospray®, Elastospray® LWP and Skytite® provide an airtight seamless thermal protection.



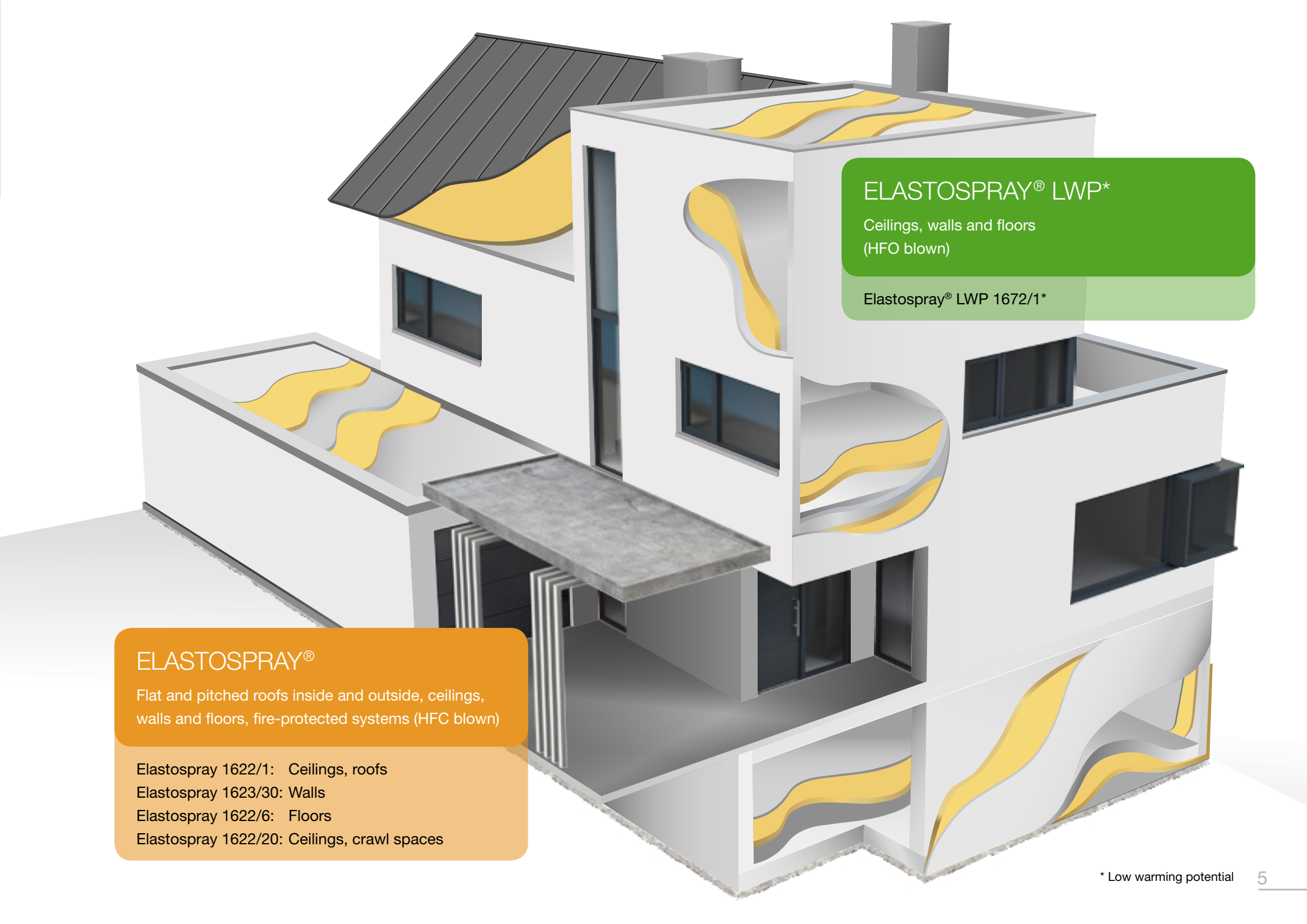
# Application: all requirements covered

Elastospray®, Elastospray® LWP and Skytite® systems provide you with ideal spray foam solutions for practically all applications and parts of buildings. They are applied directly onto the substrate to be insulated using a spray process. As the material offers excellent adhesion and adapts to any profile without joints and gaps, it is suitable for a very wide variety of surfaces and shapes. The versatile options for using Elastospray® or Skytite® range from insulating flat roofs in new buildings through flat and sloping roof renovation in old buildings and commercial premises.

In addition to external roof insulation, Elastospray® and Elastospray® LWP are also suitable for installation to the underside of roofs, internal and external walls, floors, basement ceilings and as soffit insulation. The installation method of the system is the same for internal areas as for external insulation. In case of external roof application the foam needs to be protected against UV light.







## ELASTOSPRAY® LWP\*

Ceilings, walls and floors  
(HFO blown)

Elastospray® LWP 1672/1\*

## ELASTOSPRAY®

Flat and pitched roofs inside and outside, ceilings,  
walls and floors, fire-protected systems (HFC blown)

Elastospray 1622/1: Ceilings, roofs

Elastospray 1623/30: Walls

Elastospray 1622/6: Floors

Elastospray 1622/20: Ceilings, crawl spaces

\* Low warming potential



## ELASTOSPRAY®: well-proven spray foams

The classic Elastospray® system is a well-proven, closed-cell spray foam which has been used successfully for many years in Europe. The sprayfoam is extremely versatile and can be used for internal as well as external insulation requirements. Compared to conventional insulation materials Elastospray® is cost-effective and has a better insulation value.

As thermal insulation of all kinds of buildings becomes a crucial factor in saving energy and climate protection, we have to meet the challenge to develop the most efficient insulating systems for future construction projects. BASF offers both, the strongly performing classic spray foam which is going to be phased out by 2023 and the new Elastospray® LWP.



# ELASTOSPRAY® LWP: the eco-friendly choice

The new generation of spray foams: Elastospray® LWP is BASF's latest innovation in the area of closed-cell spray foams and sets standards in environmental compatibility due to the use of a new-generation blowing-agent. The product line is free of ingredients that contribute to global warming due to the greenhouse effect or that deplete the ozone layer.

Elastospray® LWP systems are HFO blown, so these systems already take account of the European Union's aim to drastically reduce fluorinated gases (F-gases) with high GWP. The associated EU Regulation is targeting a two-thirds cut in F-gas emissions across Europe by the year 2030. For industry, this means substituting hydrofluorocarbons (HFCs), which are conventionally used as blowing agents in spray foam, with eco-friendlier alternatives – like in Elastospray® LWP.

In addition to improving environmental compatibility, Elastospray® LWP delivers the accustomed superlative insulation. In residential or commercial buildings, new or renovated, it is an assurance of comfort and an outstanding interior climate.



- ✓ Extremely low Global Warming Potential (GWP)
- ✓ No Ozone Depletion Potential (ODP)
- ✓ Low thermal conductivity due to closed-cell structure
- ✓ Airtight
- ✓ Insulation without thermal bridges
- ✓ Watertight
- ✓ Good mechanical properties
- ✓ High compressive strength
- ✓ Appropriate water vapor permeability



# SKYTITE®: the specialist for roofs – to be launched 2018

Roof insulation of new and existing buildings is one of the main areas of application for the PU spray foam Skytite®. Insulating roofs places high demands on the insulating material as roof areas have to withstand very tough conditions such as extreme variations in temperature and exposure to snow, wind and rain.

In addition, Skytite® offers considerable advantages in terms of time savings with the application and lower investment costs compared to conventional insulating methods. The system is easy to apply even in hard-to-treat places and easy to adapt to the shape of the surface.

Skytite® is a particularly lightweight insulation material that cures quickly and can be walked on after a few minutes.

Spray foam roofing system used in Argentina



# Why choose ELASTOSPRAY® , ELASTOSPRAY® LWP or SKYTITE®?

- ✓ Insulation without joints or gaps
- ✓ Maximum insulating performance at minimum thickness
- ✓ Insulation of components in hard-to-treat areas
- ✓ Excellent adhesion to the substrate
- ✓ Prolongs the life of buildings
- ✓ Rapid installation times
- ✓ Increases comfort in the home
- ✓ Low material weight
- ✓ Easy to transport and store





The closed-cell BASF ELASTOSPRAY®, ELASTOSPRAY® LWP and SKYTITE® systems offer the best performance.

New and old buildings are today and will be in the future largely subject to energy saving and environmental protection requirements. The focus here is on thermal insulation and sealing of buildings and roofs. Elastospray®, Elastospray® LWP and Skytite® represent an environmentally aware form of insulation, which is both economic and long-lasting. Especially with our new HFO-blown and therefore eco-friendly product ranges Elastospray® LWP and Skytite® we offer our customers the prime choice for efficient and sustainable construction methods.

### **Closed-cell structure offers various advantages**

A comparison with conventionally insulated roofs and walls clearly shows that using Elastospray®, Elastospray® LWP and/or Skytite® results in a much better insulation value, airtightness and proves to be more cost-efficient. Thanks to the closed-cell structure, maximum thermal efficiency is achieved with minimum thickness of the material.

Elastospray®, Elastospray® LWP and Skytite® are water-resistant and at the same time provide a seal against the effects of weathering and temperature. The rigid, robust foam forms a continuous insulation layer without thermal bridges. In this way it improves the construction and prolongs the life of buildings. Installation teams appreciate the simple and flexible application: BASF's closed-cell systems allow the implementation of all construction methods. Residents of buildings insulated with Elastospray®, Elastospray® LWP and/or Skytite® benefit from an improved indoor environment and comfort.



**Find out more:**

BASF Performance Materials Construction  
Europe

[www.polyurethanes.basf.com](http://www.polyurethanes.basf.com)



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