

ADVANTAGES OF THE ELASTCOM INTELLIGENT COATING COMPOUNDS

1 Unique material properties
These materials represent the extraordinary functional connection of the material properties of epoxides and polyurethanes. It is due to this that the final product is **adhesive, elastic and firm at the same time.**

2 Steel construction protection
The ELASTCOM coating compounds create a **special protective film** on steel constructions, which is highly adhesive, elastic, can adjust to the movement of the construction and stays functional even in **extreme conditions.**

3 Long-term durability
The coating systems do not age immediately after application. It is an intelligent compound which matures for about 6 years after application. One effect of the gradual maturing is the **extended durability** of the coating and the steel construction itself.

4 Application in extreme conditions
ELASTCOM coatings can even be applied in **adverse climatic and weather conditions** when comparable materials cannot be used.

EXAMPLES OF USE



THE ENERGY INDUSTRY



SPECIAL COATINGS



BRIDGE CONSTRUCTIONS



STREET LIGHTING

ELASTCOM COATING APPLICATION EXAMPLE



before

Application in extreme conditions

In the case of the transfer system reconstruction for the company ČEPS a.s., it was necessary to provide steel construction coating renewal. The situation had been complicated by unsuitable older coatings and the appearance of large laminar corrosion at junction points.

The steel construction was at first mechanically treated and then the protective coating ELASTCOM three-layer system was applied to a total thickness of 190 µm. The chosen method guarantees high durability, it eliminates construction temperature variability, it ensures resistance to weather conditions and maintains the functional properties of the coating material, such as inner resistance and high adhesion to the base material.

after

ENVIRONMENTAL POLICY



One of the goals of the IZOL-PLASTIK s.r.o. company is to stress maximum protection of the environment. Therefore all our compounds are highly sensitive to the environment. Due to its insolubility after application there is no pollution in the form of rainwater leach. Part of the company's internal manufacture process is also the regular control of raw materials and the end product. Our technology is completely waste-free and therefore does not burden the environment with more waste material. We implemented and keep to the environmental management system according to the ISO 14 001 standard.

The company has defined its own environmental policy to ensure the highest environmental safety. According to the policy we have committed ourselves to dispose of waste water, waste and dangerous substances in a way which eliminates any impact on the environment. We also strive to save energy and effectively use raw materials from manufacturing.

PRODUCTS FOR THE PROTECTION OF STEEL CONSTRUCTIONS

The **ELASTCOM** product line offers a comprehensive solution for steel construction coating. Parts of the protective system are the base anti-corrosive coating **ELASTCOM HS** and the surface coating compound **ELASTCOM AUREL**. The line also includes the metal pigment coating compound **ELASTCOM AUREL METALIC**.

ELASTCOM HS

A base anti-corrosive coating which is ideal for primer coatings. It has excellent anti-corrosive properties, is adhesive, elastic, durable and easily applicable on all types of metal materials.

ELASTCOM AUREL

Top coating compound available in a wide range of colours. The coating adheres perfectly to the base material, is elastic and colourfast. It is excellent at resisting weather conditions and lasts for at least 20 years.



ELASTCOM AUREL METALIC

Top coating compound available in a wide range of colours. The coating adheres perfectly to the base material, is elastic and colourfast. It is excellent at resisting weather conditions and lasts for at least 20 years.

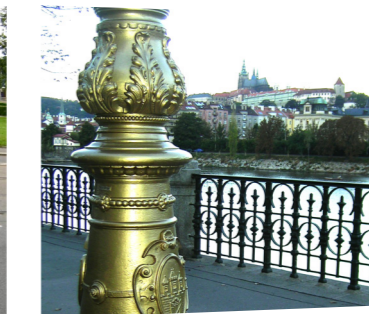
PŘÍKLADY POUŽITÍ



GAS INDUSTRY



ANTI-POSTER



HISTORICAL IMITATION

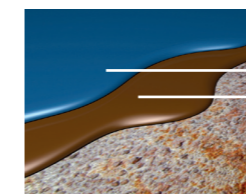


JOINT DETAIL

SYSTEMS FOR PROTECTING STEEL CONSTRUCTIONS

ELASTCOM product systems offer tailored solutions for particular situations. They are designed to effectively combine the practical properties of particular coating compounds. Due to lamination the resulting effect is maximised. Further **ELASTCOM** systems are chemical and weather resistant.

ELASTCOM TWO-LAYER SYSTEM

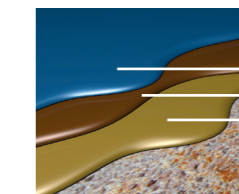


Perfect for galvanized surfaces and other surfaces without corrosion.

Top layer: **ELASTCOM AUREL**
Base layer: **ELASTCOM HS**

Suitable for bases: galvanized iron, steel, Atmofix, copper, new or old coating, with or without surface corrosion
Used for: UHV, HV and LV pylons, street lights, traction mains, transformer stations, switchboards, bridges and energy bridges

ELASTCOM THREE-LAYER SYSTEM



Comprehensive solution for steel constructions, new or flaked coating and corrosion.

Top layer: **ELASTCOM AUREL**
Intercoating: **ELASTCOM HS**
Base layer: **ELASTCOM HS**

Suitable for bases: galvanized iron, steel, Atmofix, copper, new with flaked coating and corrosion
Used for: UHV, HV and LV pylons, street lights, traction mains, transformer stations, switchboards, bridges and energy bridges