

## Systems for Construction

### Special Chemical Systems

- Polyureas
- Polyurethanes
- Silane Terminate Polymers
- Epoxy Resins

### Product range for Building and Construction and Industry

- Waterproofing
- Solution based adhesives
- Emulsion based adhesives
- Reactive adhesives
- Sealants
- Primers
- Solvents and thinners



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New waterproofing  
technologies

# white-o-flex black-o-flex

Polyurea based, two-components, liquid micro-expanded membranes, with or without bitumen. They grant the same advantages of Polyurea polymer in products that can be cold applied, without using of special equipments, such as high pressure mixing pumps. They can replace conventional roofing bituminous membranes in roll (especially in those applications where the use of open flames is strongly discouraged) and the elastic cementitious waterproofing membranes.

## WHERE THEY ARE USED

- Protection and **waterproofing** of: concrete, bricks, metal sheets, galvanized sheets even if already rusted, fibrocement, foundation walls, porches and balconies, mortars, irrigation canals, gypsum board, glass block, polyurethane foam, metal, wood, etc.
- Waterproofing of underground structures.
- Restore, **without removal**, of **degraded bituminous membranes**.
- Waterproofing of substrates **before application of ceramic tiles**, stones and mosaics on balconies and terraces, bathrooms and showers, laundries, saunas and moist areas in general.
- Finishing layer on **waterproofing**, thermo-insulated systems, to ensures continuous thermal insulation and energy saving.
- Internal lining of pools.**

## HOW TO APPLY THEM



## WHERE THEY ARE APPLIED



## ADVANTAGES

- Unlike the traditional products based on Polyurea, **black-o-flex** and **white-o-flex** allow a working time of at least 60' at room temperature, from the time of mixing of the two components, thus avoiding the use of special equipments for continuous mixing;
- In comparison with roll waterproofing membranes, they create a single layer, without junctions;
- black-o-flex** and **white-o-flex** are cold applied, without using open flames;
- The amount of environmental dangerous substances is reduced due to lower thickness required using the new waterproofing systems;
- black-o-flex** and **white-o-flex** membranes are permanently elastic: the effects of aging on the waterproofing layer are eliminated.

## COMPLEMENTARY PRODUCTS

- epox-o-primer**: two components primer, based on Epoxy resin, with vapor barrier effect, to be used before the application of liquid membranes, bituminous membranes and waterproofing systems on surfaces made of concrete, mortar, stone, bricks and fibrocement, even if with high moisture.
- pur-o-cem**: Thixotropic Polyurethane-Cement system, solvent free. Specific for sealing intervention, waterproofing and levelling of surfaces made in concrete, mortar, stone, bricks and fibrocement.
- solv-o-flex**: Specific thinner for liquid membrane **black-o-flex** and **white-o-flex** and for the cleaning of tools used during their application.
- tix-o-flex**: Thixotroping additive that allow vertical application of **black-o-flex** and **white-o-flex**.

