

the complete **range**
of Mapei **sealants**

Mapeflex MS45

HYBRID ELASTIC SEALANT AND ADHESIVE



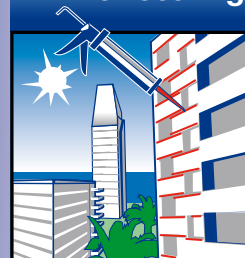
HEADQUARTERS
MAPEI SpA
Via Cafiero, 22 - 20158 Milan
Tel. +39 02 37673.1
Fax +39 02 37673.214
Internet: www.mapei.com
E-mail: mapei@mapei.it

C.P. MK 68720 (CB) 1011

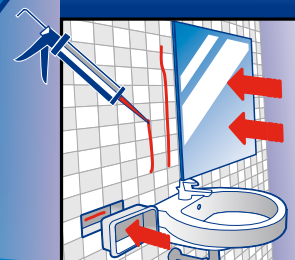
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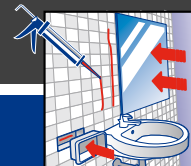
for sealing



for bonding



Mapeflex MS45



Where to use

Mapeflex MS45 is used for sealing expansion, fillet and distribution joints on horizontal and vertical surfaces. It is also recommended to form internal and external flexible bonds between similar and different materials normally used in the building industry and to replace or integrate mechanical fasteners. Ideal for a wide range of compact, absorbent building substrates, with both a rough surface or already painted, as well as for a wide range of rigid plastics.

Advantages

- ❑ Multi-purpose sealant and adhesive to solve an array of routine problems
- ❑ Compatible for use with different materials, including those with an uneven surface
- ❑ Good adhesion on many of plastic materials
- ❑ Easy to extrude and smooth over, even at low temperatures
- ❑ Excellent stability to UV rays
- ❑ Solvent-free and odourless
- ❑ Certified ISO 11600 F20HM, ensures guaranteed performance levels
- ❑ Very low emission level of VOC, certified EC1 R Plus
- ❑ May be painted over after hardening
- ❑ Elastic bond to absorb thermal movement and vibrations
- ❑ Heavy-duty plastic cartridge to prevent damage during use

It is very important to remember that.....

The elastic sealants currently available on the market have various chemical bases: silicone, acrylic, polyurethane, bitumen, ...

And the range of sealants currently on offer has been increased by a new family of formulates: hybrid sealants.

To put it simply, it is a technology which combines the main benefits of neutral silicone formulates and polyurethane formulates: and hence the definition "hybrid sealant". Hybrid sealant technology was developed in Japan several decades ago, with the hybrid polymer MS Polymer®, a trademark registered by Kaneca Corp. Only in recent years has this technology become more available on the market, thanks also to the availability of different hybrid polymers produced by various companies specialised in base chemistry. With **Mapeflex MS45**, Mapei Research & Development has managed to unite the typical positive characteristics of hybrid formulates (easy extrusion even at low temperatures, excellent resistance to atmospheric agents, paintability, versatility, ...) with the further advantage of having a very low impact on the environment.

Mapeflex MS45 does not require any hazard warning labels on the packaging, in that its chemical components are made up of preparations with an extremely limited impact on people and the environment. Further proof of the low environmental impact of **Mapeflex MS45** is the EC1R Plus certification, the best performance possible regarding the emission of VOC (volatile organic compounds) into the surrounding environment where the sealant has been used, and its suitability for contact with drinking water issued by the Polish PZH Institute. The hybrid technology of **Mapeflex MS45** is a combination of high performance, ease of use and environmental sustainability.



Colours

White	Grey			