WHERE TO USE
Transparent coating for protecting vertical surfaces from dust, oil and dirt in general for application on cement and on new or old paint and textured coatings, if well adhered and sound.
Transparent coating for protecting Mapecoat TU/S.

Some application examples
Protection for vertical walls to prevent rapid pick up of dirt from the atmosphere; easy to clean with water.

TECHNICAL CHARACTERISTICS
Mapecoat AF is a transparent silk gloss finishing product made from an acrylic polymer in water emulsion modified with fluorinated compounds. By carefully balancing the very high quality raw materials used to make the product, it allows a transparent protective coating with exceptional durability to be formed.
Accelerated ageing tests using a weatherometer have demonstrated that Mapecoat AF is resistant to deterioration caused by light without changing colour (no yellowing) and withstands temperature variations without damaging the surface (cracks). The fluorinated polymer used in the Mapecoat AF formulation considerably reduces the surface tension of substrates and prevents dirt from adhering, making it easy to remove by washing the surface with water.

Cementitious materials, paints normally used in the building industry and Mapecoat TU/S coated with Mapecoat AF have the following characteristics:
• water-repellent;
• oil-repellent;
• very low dirt pick up;
• very high durability.

RECOMMENDATIONS
Mapecoat AF is not suitable for:
• horizontal surfaces (terraces);
• cellars;
• water storage tanks;
• walls with rising damp carrying salts;
• lift wells and any structure with water under pressure;
• gypsum surfaces;
• anti-graffiti barriers.

Before applying Mapecoat AF on coloured surfaces and on surfaces with very low and/or irregular absorption, always carry out preliminary tests to make sure the substrate does not change colour.
APPLICATION PROCEDURE

Preparation of the substrate
Before treating surfaces, it is very important to remove any traces of dirt, grease, oil, paint, saline efflorescence, mould and weeds that could prevent Mapecoat AF adhering.

With old surfaces, which cleaning cycle to use depends on the type of dirt. Washing with cold water is usually sufficient. Cleaning the surface with hot water or steam is particularly recommended if oil or grease are present.

If the surface is not dirty, the surface may simply be brushed down with a stiff brush and then blown with compressed air to remove the dust.

Mapecoat AF must only be applied on dry surfaces.

Apply a coat of Malech primer before painting concrete surfaces.

If Mapecoat AF is applied over Mapecoat TU/S or new or old paint and textured coatings that are well adhered and sound, there is no need to prime the surface beforehand. In all other cases, check the surface prior to application to select the most suitable preparation treatment.

Preparation of the product
Mapecoat AF is supplied ready for use. Up to 5% of water may be added if required.

Stir well before use until completely blended, taking care not to entrain air into the product.

Application of the product
A single coat of Mapecoat AF is usually sufficient. Several coats may be applied if a higher level of protection is required.

Wait 24 hours between each coat in normal conditions, and always until the previous coat is completely dry.

After applying Mapecoat AF, painting over the surface with water-based products may be difficult unless it is removed mechanically.

Please note that the substrate may change colour slightly. We recommend, therefore, carrying out preliminary tests to make sure it is compatible with the substrate and to verify its absorption rate.

<table>
<thead>
<tr>
<th>TECHNICAL DATA (typical values)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRODUCT IDENTITY</strong></td>
</tr>
<tr>
<td>Appearance:</td>
</tr>
<tr>
<td>Density (g/cm³):</td>
</tr>
<tr>
<td>Brookfield Viscosity (mPa-s):</td>
</tr>
<tr>
<td>Dry solids content (%):</td>
</tr>
<tr>
<td><strong>APPLICATION DATA</strong></td>
</tr>
<tr>
<td>Preparation:</td>
</tr>
<tr>
<td>Application temperature range:</td>
</tr>
<tr>
<td>Consumption (kg/m²):</td>
</tr>
<tr>
<td><strong>FINAL PERFORMANCE</strong></td>
</tr>
<tr>
<td>Colour:</td>
</tr>
<tr>
<td>Damp abrasion (DIN 53778) (cycles):</td>
</tr>
<tr>
<td>Capillary action water absorption coefficient [kg/(m²·h⁰.⁵)] (EN 1062-3) W₂₄</td>
</tr>
</tbody>
</table>
SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapecoat AF is not considered hazardous according to current norms and guidelines regarding the classification of mixtures. However, we recommend taking the usual precautions for handling chemical products. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

PRECAUTIONS TO BE TAKEN DURING PREPARATION AND APPLICATION

Do not apply Mapecoat AF on damp substrates or on substrates that are not completely cured.
Do not apply Mapecoat AF if it is about to rain.
Do not apply Mapecoat AF if the temperature is lower than +5°C or higher than +35°C.
Do not apply Mapecoat AF if the level of humidity is higher than 85% or in windy weather.
Always refer to the “Safety instructions for preparation and application” section.

Cleaning

Tools used to apply Mapecoat AF may be cleaned with water before it dries.

CONSUMPTION

Consumption is highly influenced by the roughness of the substrate and varies between 0.05 and 0.15 kg/m² per coat. Consumption may be higher if applied on particularly absorbent substrates.

PACKAGING

Mapecoat AF is supplied in 5 kg plastic drums.

STORAGE

12 months if stored in a dry place away from sources of heat at a temperature of between +5°C and +30°C. Protect from frost.

All relevant references for the product are available upon request and from www.mapei.com