

Product Information Sheet

Vi-Pro® LIQUID FOIL

Version: 2-EN

Revision date: 11.10.2021

Vi-Pro® LIQUID FOIL

Product description:

Vi-Pro® LIQUID FOIL is a water based clear milky grey to slightly yellow grey coating which can be apply on dyed or undyed ,vertical or horizontal surfaces for temporary protection.

Vi-Pro® LIQUID FOIL can be used for some of the surfaces for long term protection which are non-porous surfaces; like aluminium, standard white pvc, glass, marble or granite surfaces, treated ceramics, laminated parquets, epoxy coated surfaces, etc. It helps to remove the dirt easily, protects against dirt, over paintings, scratches, welding spatters, weather conditions.

Features:

- Water based it can be applied on electrostatic painted surfaces.
- Fast curing
- Easy to peel off
- Efficient in use, no waste
- Peelable film is resistant to various paints and chemicals.
- Protects against welding burr.
- Thixotropic it can be applied on vertical surfaces.
- Non-flammable.
- Friendly to environment and does not affect human health.
- Application tools can be clean by water so it is easy and cheap to clean.

Technical data:

Chemical base	organic polymers mixture
The state of the material in its raw form	ready to use emulsion
Dry cured material form	elastic foil
Application method	brush, roller or spraying application
Application temperatures	+5°C to +25°C
Drying time	24-72 h depending to thickness and weather conditions
Service temperature	-15°C to +80°C
Service life	up to 12 months on open air and up to 24 months in interior using

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Optimal temperature for removal -	+10°C - +30°C. Wetting of foil by water approx. 10 minutes before removing makes removal easier
UV resistance	sufficient
Color	clear milky grey to slightly yellow grey
Cleaning of tools	flushing by water immediately after using

Above given parameters of material was tested in accordance to the Corporate Testing Procedure (CTP) and confirmed by independent laboratory.

Recommended application conditions:

Vi-Pro® LIQUID FOIL should not be diluted with water or thinner, and can be apply with an airless spray gun or by a roller. Application conditions. The application surface must be dry and frost-free. Don't use in rainy conditions. In temperature below +10°C special care must be taken as the product shall not freeze before it cures. Minimum thickness of wet applied product shall be at least 100 microns. If thickness is less than 100 microns it might be difficult to peel off.

Attention should be paid to the following:

SPRAY APPLICATION

- 1.To expel the product easily, paint hose inner diameter should be 13 mm.
- 2.Gun nozzle diameter should be 2.8 mm.
- 3.Fluid pressure should be 2.5 bar, air pressure should be 4.5 bar.
- 4.Spray tools must be completely clean, solvents or thinners of any kind of cleaning materials should be rinsed once in the water.
- 5.The application should be done as two layers, one is in vertical way and second is horizontal way, in spray application there is no need to wait for first layer to dry. Double spray pass, it will reach approx.to 100 -120 microns of dry film thickness.
- 6.The film will be more homogeneous in spray application.

ROLLER APPLICATION

- 1.Roller should be long haired and should be dry.
- 2.The application should be done in 2 layers by waiting the first layer to dry.
- 3.At the end of the day, roller should be cleaned with WATER and let it dry.
- 4.Double layer application on average will give about 100 microns of dry film thickness.

Consumption from 5 - 10 m² / liter. In spray application the consumption is higher with compare to roller application. Recommended thickness – 100-200 µm. Higher thickness provide higher mechanical protection and easier removal

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Protection	Thickness	Surface
Extreme protection	200 micron	5m ² / l
Good protection	150 micron	8m ² / l
Average protection	100 micron	10m ² / l

Limitations:

Don't use on porous substrates. Don't use in contact with food.

Always test at small area to see if the result meets the expectations.

The use of **Vi-Pro® LIQUID FOIL** in contact with PVB, EVA or PET films must be confirmed by the compatibility tests.

Storage:

Store in the original unopened packing in cool and dry conditions (between +5°C and +30°C). Useable life: minimum 12 months from the date of manufacture. Avoid storing below +5. Avoid freezing.

Packaging:

Vi-Pro® LIQUID FOIL has been supplied in 20 l buckets.

Safety precautions:

Material Safety Data Sheets are available on demand. MSDS are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. MSDS are updated regularly, therefore, please request and review the most current MSDS before handling or using any product. Never burn away.

Customer notice:

The information supplied is accurate to the best of our knowledge and is based on reliable tests and practical experiences. Properties quoted are intended, as a guide and do not therefore constitute a specification. Customer/user should thoroughly test any application to be sure that product corresponds to the required performances. The sole warranty is that the product will meet the sales specifications in effect at the time of shipment. Exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. The Seller shall not be liable for any incidental or consequential damages.

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