Temanyl PVB Grey

DESCRIPTION

A one-component, polyvinyl-butyral adhesion primer.

PRODUCT FEATURES AND RECOMMENDED USES

- Adheres extremely well to different kinds of surfaces, such as steel, zinc, aluminium and stainless steel. The primer ensures the durability of the whole painting system.
- A very fast-drying adhesion primer, which saves time during the application process.
- Withstands temperatures up to +160°C. Due to its high temperature resistance, Temanyl PVB Grey can be overcoated with powder coatings.
- Can be applied using a "wet-on-wet" painting technique.
- For industrial use only according to Directive 1999/13/EC.

TECHNICAL DATA

Volume solids

23±2%

Weight solids

35±2%

Specific gravity

Approx. 1.1 kg/l

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
wet (unthinned paint)	dry	
45µm	10µm	23.0 m²/l
90µm	20µm	11.5 m²/l

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Drying time

DFT 20µm	**+10°C**	**+23°C**	**+35°C**
Dust dry, after	20min	15min	5min
Touch dry, after	55min	45min	20min
Recoatable, min. after	20min	10min	5min
Through dry after 30min / +150°C			

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Gloss

Matt.

Color shades

Grey

Temanyl PVB Grey

APPLICATION INSTRUCTIONS

Surface preparation

Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)

Steel surfaces: Blast clean to grade Sa2½. (ISO 8501-1) If blast cleaning is not possible, phosphating is recommended for cold rolled steel to improve adhesion.

Zinc surfaces: Sweep blast clean with mineral abrasives, e.g. quartz sand, to an even roughness. (SaS, SFS 5873) If sweep blasting is not possible, the surface should be roughened by hand abrading or washed with Panssaripesu detergent. For hot dip galvanized surfaces see separate application instructions or contact Tikkurila Technical Service.

Stainless steel: Roughen the surface by grinding or sweep blasting using non-metallic abrasives.

Aluminium surfaces: Sweep blast clean with non-metallic abrasives to an even roughness. (SaS, SFS 5873) If sweep blasting is not possible, the surface should be roughened by hand abrading or washed with Maalipesu detergent.

Recommended primers

Temanyl PVB Grey.

Recommended topcoats

Duasolid 50, Temadur SC-F 20, Temadur SC-F 50, Temadur SC-F 80.

Application conditions

All surfaces must be clean, dry and free from contamination. The temperature of the ambient air, surface and paint should not fall below +5ºC during application and drying. Relative humidity of the air should not exceed 80% during application and drying. The surface temperature of steel should remain at least 3°C above the dew point. Good ventilation and sufficient air movement is required in confined areas during application and drying.

Application

Stir the product carefully before use.

For airless spraying, the product is thinned approximately 30% to the viscosity 20–35s (DIN4). Recommended nozzle tip is 0.011"–0.013" and pressure 120–160 bar. Spray angle shall be chosen according to the shape of the object.

For conventional spraying, the product is thinned approximately 30% to the viscosity 20–35s (DIN4). Recommended nozzle tip is 1.6–1.8 mm and pressure 3–4 bar.

For dip coating, the product is thinned 30% to the viscosity 20s (DIN4).

Note! When stoving Temanyl PVB Grey before overcoating the temperature must not exceed +160ºC because the intercoat adhesion may then deteriorate.

Thinners

Thinner 1031

Cleaning of equipment

Thinner 1031

VOC

The Volatile Organic Compounds amount is 690 g/litre of paint.
VOC content of the paint (thinned 30% by volume) is 740 g/l.

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HEALTH AND SAFETY

Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets.
A health and safety data sheet is available on request from Tikkurila Oyj.

For industrial use only.

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

The product is intended for professional use only and shall only be used by professionals who have sufficient knowledge and expertise on the proper use of the product. The information above is advisory only. To the extent permitted by applicable law, we shall not approve of any liability for the conditions under which the product is being used or for the use or application of the product.

In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.