

TEMANYL PVB (18116, 18128)

DESCRIPTION

A one component, polyvinyl butyral adhesion primer.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ An adhesion primer for steel, zinc, stainless steel and aluminium surfaces.
- ◆ Fast drying, can be applied using a "wet-on-wet" painting technique.
- ◆ Can also be used as a primer under powder coatings.
- ◆ For industrial use only according to Directive 1999/13/EC.

TECHNICAL DATA

Volume solids

23 ± 2 %.

Specific gravity

1.11 - 1.17 kg / l depending on the colour.

Product codes

007 4485 (18116), 007 4486 (18128), 007 4488 and 007 4489.

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet (unthinned paint)	
10 µm	45 µm	23.0 m ² /l
20 µm	90 µm	11.5 m ² /l

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

Drying times

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

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

Finish

Matt.

Colours

Grey, light grey(TVT 4004), yellow and black.

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APPLICATION DETAILS

Surface preparation	<p>Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)</p> <p><u>Steel surfaces:</u> Blast clean to grade Sa2½. (ISO 8501-1) If blast cleaning is not possible, phosphating is recommended for cold rolled steel to improve adhesion.</p> <p><u>Zinc surfaces:</u> 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.</p> <p><u>Stainless steel:</u> Roughen the surface by grinding or sweep blasting using mineral abrasives.</p> <p><u>Aluminium surfaces:</u> 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.</p>
Primer	TEMANYL PVB.
Finish	DUASOLID, TEMATHERM AA 30, TEMATHERM AA 90 and TEMADUR.
Application conditions	All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below + 5 °C during application or drying. Relative humidity should not exceed 80 %. The surface temperature of the steel should remain at least 3 °C above the dew point.
Application	<p>By airless or conventional spray or dip. The application viscosity should be 20 s DIN 4. Airless spray nozzle tip 0.011"- 0.013 " and nozzle pressure 120 - 160 bar.</p> <p>Note! When stoving Temanyl PVB before overcoating the temperature must not exceed 160 °C because the intercoat adhesion may then deteriorate.</p>
Thinner	Thinner 1031 or 1112.
Cleaning of equipment	Thinner 1031 or 1112.
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.
HEALTH AND SAFETY	<p>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.</p> <p>A health and safety data sheet is available on request from Tikkurila Oy.</p>

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