

PAINT TYPE	DAMAX PS is a 1-pack, fast drying vinyl paint. It is lead- and chromates-free paint.
USAGE	After tinting the paint is used as a single coat on galvanised steel, zinc and aluminium sheets exploited in atmospheric conditions e.g. roofs, window sills, drainpipes, wire fences etc. also ceramic tiles and wall plasters. Damax PS can be used for sealing of zinc and aluminium thermally sprayed coatings and for maintenance painting over old chlorinated rubber, vinyl and acrylic coatings.
SPECIAL PROPERTIES	DAMAX PS is decorative, matt coating, with good adhesion to zinc and aluminium substrates, flexible and mechanically resistant. It is resistant to industrial atmosphere and intermittent action of water.

TECHNICAL DATA

Solids	48±2% vol.		
Total mass of solids	abt. 820 g/l		
Volatile organic compound (VOC)	abt . 480 g/l		
Recommended film thickness and theoretical spreading rate	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m ² /l)
	60	125	8,0

As many of the paint's properties will change if too thick coats are applied, it is not recommended that the product is applied to a film thickness that is more than double of the thickest recommended film.

Practical spreading rate	The values depend on the application technique, surface conditions, overspray, etc.
Drying time at +23 °C, 50% RH (dry film 60µm)	
- dust dry	after 1 h
- touch dry	after 4 h

Overcoatable, 50% RH (dry film 60µm)

by itself	
surface temperature	+23 °C
min.	12 h
max.	unlimited

Given times relates to the recommended coating thickness, drying in good ventilation conditions. These times may change with a change of temperature, humidity, ventilation and the thickness of the coating. Increase in film thickness and rise in the relative humidity of the air in the drying space usually slow down the drying process.

Thinner	Thinning is not recommended. In exceptional circumstances use TEKNOSOLV 779
Clean up	TEKNOSOLV 779
Finish	Matt
Colours	The paint is included in the TEKNOMIX tinting system. Standard colours by agreement.
SAFETY MARKINGS	See Safety Data Sheet.

DIRECTION FOR USE

Surface preparation

Remove from the surfaces any contaminants that might be detrimental to surface preparation and painting. Before cleaning of surface it is recommended to wash it with water with addition of OLICLEAN 123 and then rinse with fresh water.

Not stabilized hot dip galvanized steel surfaces and aluminium surfaces should be tarnish with non-metallic abrasive. All contamination e.g. oil, grease, fluxing agent, etc. should be removed. Galvanised steel should be contaminant-free.

Stabilized hot dip galvanized steel surfaces should be without any products of zinc corrosion (white rust free) and without any contaminants. For cleaning hot water under pressure, steam, abrasives or manual mechanic tool cleaning can be used. The surfaces for painting should be dry, dust-, grease- and salt-free.

Thermally sprayed galvanized and aluminium surfaces should be dry and primed immediately with thin layer of diluted paint DAMAX PS. The surface for painting should be dry, dust-, grease-, and salt-free.

OLD PAINTED SURFACES SUITABLE FOR OVERCOATING: Any impurities that might be detrimental to the application of paint (e.g. grease and salts) are removed. The surfaces must be dry and clean. Old, painted surfaces that have exceeded the maximum overcoating time are to be roughened as well. Damaged parts are prepared in accordance with the requirements of the substrate and the maintenance coating.

CERAMIC TILES AND WALL PLASTER: Degreased and free from other contaminants, primed with DAMAX PS thinned with 20 - 30 % of the TEKNOSOLV 779

The place and time of the preparation are to be chosen so that the prepared surface will not get dirty or damp before the subsequent treatment.

Application conditions

The surface to be painted has to be dry. During the application and drying period: the minimum temperature of the surface shall be above -10°C (frost- and ice-free surface), at least 3°C above the dew point of the ambient air, good ventilation.

Application

Before use stir the paint thoroughly.

Apply by airless spray, by conventional spray, brush or roller.

When painting with a brush, roller and conventional spray may be necessary to apply the paint in several layers to achieve the recommended film thickness. Depending on application and type of construction other thickness of a single layer can be assumed instead of recommended. Typical dry film thickness range using airless spray is from 50 to 80 microns. Changing the thickness of the coating changes the theoretical consumption, wet film thickness, weight of dry coating, drying time, time of recoating and finishing work.

Use airless spray nozzle 0.015 - 0.019".

Nozzle pressure 10-15 MPa.

Overcoating

It is recommended vinyl or acrylic paints Teknos - Oliva.

The coat of DAMAX PS after 24 hours (at 23 °C) has good mechanical properties and resistance to rainfall.

ADDITIONAL INFORMATION

The storage stability is shown on the label.

Must be stored tightly closed and kept cool and dry.

The information of this data sheet is normative and based on laboratory tests and practical experience. Teknos guarantees that the product quality conforms to our quality system. Teknos accepts, however, no liability for the actual application work, as this is to a great extent dependent on the conditions during handling and application. Teknos accepts no liability for any damage resulting from misapplication of the product. This product is intended for professional use only. This implies that the user possesses sufficient knowledge for using the product correctly with regard to technical and working safety aspects. The latest versions of Teknos data sheets, material safety data sheets and system sheets are on our home pages www.teknos.com.
