


**- product name : POLYURETHAN FOR FLOORS**

Product in accordance with 2004/42/CE directive	
	building sector see note 1 2004/42 IIA(500)500

legenda pittogramma	
2004/42	Reference to EC Directive
II...	Annex, Table and Sub-category of product
000	Limit value of VOC with reference to the product sub-category
000	Maximum VOC content in product ready for use

**IT CAN BE PRODUCED IN TINTING SYSTEM :**

<b>VZPAV and VZPAVS binder</b>	<b>70</b>	<b>VZPAVO binder</b>	<b>80</b>
<b>BPN</b>	<b>30</b>	<b>BPN</b>	<b>20</b>

**- general features**

Series of two-component polyurethane ANTI-SCRATCH enamels, based on modified polyester resins, characterized by high surface hardness and excellent resistance to abrasion and water.

**- use**

The ZPAV series enamels, due to their polyurethane nature and specific formulation, are well used in the industrial flooring sector.

ZPAVC version is formulated with specific raw materials that make it ANTISTATIC.

**- painting systems**

Apply one or two coats of ZPAV directly onto the structure; it is recommended to apply a well-diluted first coat to soak the structure and then apply a second coat. During application and polymerization, room temperature no lower than 10°C, relative humidity no higher than 85%, temperature of structure at least 3°C above dew point are recommended to avoid haze and opacity.

The products can be applied on new concrete floors after the curing time or for old floors renovation and in this case the surface must be properly treated: no presence of contaminants (e.g. oils and chemical substances) and free from rising humidity.

resistance according to ASTM G 53 – 77 norm
exposure time = 300 hours
no change of color or gloss

**- application and thinning method**

**roller** : 5 - 10% with X 4 (polyurethane)  
**airless** : 0 - 5% with X 4 (polyurethane)

**- technical and supply data**

**specific weight :**

<b>VZPAV</b>	<b>min.</b> 1.060 g/l	<b>- max.</b> 1.220 g/l
<b>VZPAVS</b>	<b>min.</b> 1.160 g/l	<b>- max.</b> 1.340 g/l
<b>VZPAVO</b>	<b>min.</b> 1.200 g/l	<b>- max.</b> 1.430 g/l

**solid content :**

<b>VZPAV</b>	<b>by weight</b>	<b>= min.</b> 57,0 %	<b>- max.</b> 68,0 %
	<b>by volume</b>	<b>= min.</b> 50,0 %	<b>- max.</b> 57,0 %
<b>VZPAVS</b>	<b>by weight</b>	<b>= min.</b> 60,0 %	<b>- max.</b> 71,0 %
	<b>by volume</b>	<b>= min.</b> 49,0 %	<b>- max.</b> 57,0 %
<b>VZPAVO</b>	<b>by weight</b>	<b>= min.</b> 61,0 %	<b>- max.</b> 69,0 %
	<b>by volume</b>	<b>= min.</b> 45,0 %	<b>- max.</b> 51,0 %

**note 1 : 0% thinning - catalysis with QA 2028**

**film appearance :**

<b>VZPAV</b>	glossy 98 gloss
<b>VZPAVS</b>	semi glossy 55-65
<b>VZPAVO</b>	matt 15-25 gloss

Gloss values are measured on a non-absorbent structure and they can vary also significantly on structures that are highly absorbent

**color :** on demand

**product type :** two-component

**catalysis ratio :** by weight

ZPAV - ZPAVS	100
QA : 2028 ST - 2009 FAST - 2029 SLOW	50
ZPAV - ZPAVS	100
QA 2066 UHS	30

ZPAVO	100
QA : 2028 ST - 2009 FAST - 2029 SLOW	30
ZPAVO	100
QA 2066 UHS	20

**pot-life at 25°C.** 3 hours

**theor.coverage** min. 0,25 Kg/m<sup>2</sup> - max. 0,35 Kg/m<sup>2</sup>

Theoretical coverage can vary significantly according to structure absorption.

**overcoating times :**

**min.** : 30 minutes - **max.** : 6 - 8 hours

<b>drying at 25°C. :</b>	<b>dust free</b>	: 10 - 20 minutes
	<b>touch free</b>	: 2 - 4 hours
	<b>depth</b>	: 18 - 24 hours
	<b>polymerized</b>	: about 7 days

**shelf life :** 24 months at + 5/35°C