



TECHNICAL DATA SHEET

9.2 SOLVENT BASED



► Duepol Polyurethane floors High gloss

Pigmented polyurethane paint

2343 / Version 4 / 24-02-2021



DESCRIPTION

Two-component polyurethane paint with high wear resistance.

PROPERTIES

- High hardness and resistance to vehicle traffic.
- Does not yellow.
- High resistance to aggressive chemical agents such as: petrol, diesel, lubricating oil, detergents, dilute acids and bases.
- Excellent adhesion to steel, galvanised, aluminium, etc. as well as to cement and concrete.
- Good resistance to abrasion and wear.
- Dust-free effect
- Interior and exterior application.

USES

Polyurethane paint especially developed for application to: car park floors, industrial buildings, workshops and, in general, all interiors and exteriors that require decorating, protecting or signage in specific areas. Horizontal and vertical surfaces.

TECHNICAL DATA

Appearance	High gloss.
Colour	Green, grey, red and colours from RAL catalogue.
Density a 20°C (Kg/l)	1.15 ± 0.05.
Viscosity (Copa Ford No. 4). Seconds.	200-250.
Content in solids % volume	50.
Resistance to Taber abrasion (UNE-EN ISO 5470-1:1999)	Loss of weight < 3000 mg H22/1000 cycles/load 1000 g.
Capillary absorption (EN 13057) kg/m²min^{0.5}	<0.1.
Thermal shock resistance (UNE EN 13687:2002) (N/mm²)	1.5.
Shock resistance (UNE-EN ISO 6272-1:2012)	Class III.
Determination of adhesion by direct traction, UNE-EN 1542:1999 (N/mm²)	>1.5
Fire Resistance classification (EN13501-1)	Afl2 s1
Resistance to chemical attack (UNE-EN 135292005)	<50%.
Gloss (UNE 48026)	20°: 75 – 85%. 60°: 80 – 90%
Yield (m²/L):	6-10.
Touch dry (20°C) (min)	60.
Second coat (hours)	Minimum 12- maximum 48..
Vehicle transit	48.
Maximum hardness (days)	8.
Mixing ratio	4 to 1 in volume.
Useful life of the mixture (hours)	6 hours at 20°C.
Thinner	D-30.
% brush or roller dilution	5-15.
% spray gun dilution	With airless spray gun: 0-5. With airbrushing spray gun: 5-10.



► Duepol Polyurethane floors

High gloss

Pigmented polyurethane paint
2343 / Version 4 / 24-02-2021

HOW TO APPLY

- Stir the product until totally smooth.
- If the surface is already painted, ensure the previous paint is in good condition and well-adhered.
- Check the compatibility with the previous paint
- Make the joins 10 minutes before applying the paint.

SURFACE AND AMBIENT CONDITIONS

AMBIENT TEMPERATURE:

Apply at a temperature of more than 10°C and less than 30°C.

RELATIVE HUMIDITY:

Never apply with relative humidity of less than 85%.

AMBIENT CONDITIONS:

It is not recommended to paint in rainy weather or at times of peak heat.

SURFACE PREPARATION

UNPAINTED SURFACES:

Concrete:

- The paving must be in the very best condition as regards optimum preparation, i.e. clean, dry and even. Wait to complete setting (1 month).
- Remove efflorescences, product residues and foreign substances (grease, dust, oils and/or derivatives, etc.).
- It is essential to regulate porosity on the surface to ensure penetration and anchorage of the paint; to achieve this, the best outcomes are obtained using mechanical methods, which remove any type of unwanted substance or foreign body and regulate surface porosity.
- If mechanical treatment cannot be carried out, use at least one chemical treatment: remove foreign or undesired agents using diluted hydrochloric acid, then remove the acid residues with plenty of water. Allow the surface to dry and then paint as normal.

PRE-PAINTED SURFACES IN POOR CONDITION:

Pre-painted surface in poor condition:

- If the paint is old or badly adhered with defects such as chalking, blistering, peeling, cracking, etc., it must be completely removed and then apply a coat of transparent acrylic fixer. (see possible application systems)
- See compatibility with the previous paint.
- Clear oil or grease residue.
- Thoroughly sand the previous paint in good condition.

POSSIBLE APPLICATION SYSTEMS

Duepol polyurethane floor high gloss can be applied using a brush, short-nap roller, or spray gun. Prior to the top coat and depending on the wall apply sealant suitable for the yield specified in each case.

SEALANTS:

- Colourless epoxy sealant 100% solids: Fixer, reinforcement of degraded surfaces suitable for smoothing high absorption surfaces or when screeding with self-levelling epoxy mortar is required. Yield: 0.25 - 0.35 kg/m² Coats: 1
- Colourless epoxy sealant 40 % solids: Fixer, reinforcement of degraded surfaces with high penetration, suitable for application to floors or epoxy, polyurethane, chlorinated rubber paints, etc. Yield: 0.1 - 0.2 kg/m². Coats: 1

FINISH DUEPOL POLIURETANO SUELOS ALTO BRILLO:

- Yield: 6-10 m²/L
- Coats: 2

TECHNICAL DATA SHEET

9.2 SOLVENT BASED

► Duepol Polyurethane floors

High gloss

Pigmented polyurethane paint

2343 / Version 4 / 24-02-2021

SAFETY

Consult the current safety data sheet for safe handling (Section 8.2). Unsuitable for children. Keep out of the reach of children. Do not place painted surfaces into the mouth.

REMOVAL

Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling, in line with the local and national legislation in force. Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling. Do not pour down drains or into the environment. Dispose of the product at an authorised waste disposal site or through an authorised waste management company. Waste must be handled, stored and disposed of pursuant to current local- national legislation.

STORAGE

See storage conditions indicated in section 7.2 of the current safety data sheet. Store the containers away from high temperatures, direct exposure to the sun and frost. Maximum recommended storage time: 24 months from manufacture in fully sealed original container, indoors and at temperatures between 5° and 35° C.

LEGAL TEXT NOTE

This information and, in particular, the recommendations regarding the application and final use of the product, are given in good faith, based on the current knowledge and experience of Isaval Paints of the products when they are properly stored, handled and applied, in normal situations, within its useful life, according to the recommendations of Pinturas Isaval. In practice, the possible differences in the materials, supports and actual conditions at the place of application are such that it cannot be inferred from the information in this document, no any other written recommendation, neither any advice offered, will insure the guarantee in terms of marketing or suitability for particular purposes, neither any obligation outside of any legal relationship that may exist. The user of the products must carry out the tests to verify their suitability according to the use they want to give. Pinturas Isaval reserves the right to change the specifications of its products. The property rights of third parties must be respected. All orders are accepted according to the terms of our current General Conditions of Sale and Supply. Users should know and use the latest and updated version of the local Product Data Sheets, a copy of which will be sent to whoever requests them, or can also be obtained on the page "www.isaval.es". Data on this Sheet are based on laboratory tests. The measures taken "on site" may vary due to circumstances beyond our control.