

TECHNICAL SHEET 01.09-eng

PRIMERS, SPECIAL-PURPOSE COATS

DENIKOL

Stain-isolating agent

1. Description, Application

DENIKOL is a coat based on lime and casein. It is used to block quickly and easily water-soluble substances on interior wall surfaces. Such substances include:

- **Nicotine and tar linings** in rooms exposed to heavy smoking,
- **Smut and tar linings on walls of chimneys, in rooms with open hearths and in rooms where fire has occurred,**
- Various **salts in stains caused by soaking** due to damaged fitting, heating installation and sewage system and equipment, damaged roofs or soaking caused during the process of putting out a fire,
- **Tannin and other colorants in the coat of gypsum-cardboards or in wood compound of chipboards, boards made of wood chips,** and similar,
- **Substances that are quickly soluble in water contained in old paint coats,** mainly from roller decorative patterns and other wall decorations.

DENIKOL binds substances that are quickly soluble in water and transforms them into insoluble or poorly soluble and non-soaking, and it also successfully covers smaller fat stains. If a block is not performed, the stated substances get quickly soaked during painting with water paints and other "wet" works and "they entirely or partially dissolve in the wet application", and, when the application dries, they re-appear in the form of larger or smaller stains of different colours.

Surfaces processed with DENIKOL can be painted with any of interior wall paints (JUPOL, JUPOL CITRO, JUPOL GOLD, JUPOL BRILJANT, and similar).

2. Packaging

Plastic containers holding 5 liters

3. Technical Data

Density (kg/dm ³)		~1.15
Drying time T = +20 °C, relative air humidity = 65 % (hours)	Touch dry	~2
	Suitable for further treatment	~24
Water vapour permeability of a dry paint film EN ISO 7783-2	μ coefficient (-)	<100
	Sd value (t = 100 μm) (m)	<0.01 class I (high water-vapour permeability)
Content of vaporous organic substances (VOS) (g/l)		<1 The EU VOS requirement – category A/g (from 1 January 2010): <30

Main ingredients: milk proteins, slaked lime, water

4. Surface Preparation

DENIKOL is used to cover only dry interior wall and ceiling surfaces, where older paint coats adhere well to the surface.



Prior to painting, remove only dust and other non-adhered or badly-adhered particles as well as old block coats if they include film-forming paints based on organic solvents and similar applications. Do not apply DENIKOL onto surfaces painted with chalk-based paints and other paints that quickly soak in water, and onto surfaces painted with oil paints, varnishes and enamels. The mentioned coats must be entirely removed.

5. Instruction for Use

Stir the product well before use and several times during work. If necessary, slightly dilute it with water (as little as possible – the power of stain-blocking decreases rapidly with diluting!). Quantities necessary to coat individual surfaces are calculated or estimated on the basis of the area of these surfaces and data on consumption rate, and, in specific cases, consumption is determined by making measurements on a test surface that is large enough.

Apply it in one or two coats with a paint or masonry brush suitable for the application of dispersion coats and rarely with a painting roller (length of hairs or threads is 18 to 20 mm; the lining can be made of nylon, dralon, perlon or vestan, natural sheep fur is not suitable!). Apply the second coat only when the first is dried through and no sooner than 24 hours. The coat rarely covers stains completely, but it significantly reduces their water solubility.

In the case of topcoats or decorative coats, DENIKOL is used as a primer. Begin painting when DENIKOL is dried through - in normal conditions (T = +20 °C, relative air humidity = 65 %) it means in approximately one to two days. If surfaces covered with DENIKOL are painted with white paint, one paint coat often suffices. Prior to painting, the surface can be levelled by applying the levelling compound directly onto the dried coat of DENIKOL.

The application is possible only in suitable microclimate conditions: the temperature of the air and the wall surface should be between +7°C and +35°C and the relative air humidity should be below 80 %.

Indicative or average use (depending on absorption and roughness of the surface as well as on the number of applications): DENIKOL	150 – 400 ml/m ²
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6. Tool Cleaning, Waste Management

ATTENTION! Prior to applying coats based on lime, protect window and door frames, window sills, as well as other exposed and sensitive surfaces well, since stains are difficult or even impossible to remove.

Clean the tools with water immediately after use.

Keep unused primer (only the one that has not been diluted!) in a well sealed packaging for potential repairs or later use. Do not empty waste remains into drains, watercourses or environment and do not dispose them together with domestic wastes. In accordance with waste management regulations, they are classified among irritant waste with classification number 08 01 19*. They should be disposed only in an organized manner or dumped onto specially adjusted dumping areas. If they are mixed with cement (hardened mortar remains and wastes, sand or sawdust may be added to them), they (when they harden) can be deposited onto the dumping grounds of construction waste (waste classification number: 17 09 04) or municipal waste (waste classification number: 08 01 12).

Cleaned packaging can be recycled.

7. Safety at Work

The product contains lime and is thus classified among dangerous preparations (indicator of danger: Xi - IRRITANT) – apply it safely, follow special instructions from the technical sheet in addition to general instructions and regulations on safety at construction work or painting works and further instructions stated below.



Warning signs on packaging	Special measures, warnings and explanations for safe work
Xi  IRRITANT! THE PRODUCT CONTAINS LIME (CALCIUM HYDROXIDE)!	R36 Irritating to eyes. R41 Risk of serious damage to eyes. S2 Keep out of the reach of children. S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash immediately with plenty of water. S37/39 Wear suitable gloves and eye/face protection. S46 If swallowed, seek medical advice immediately and show this container or label.

8. Storage, Transportation Conditions and Durability

Storage and transportation at temperatures between +5°C and +25°C, protected from direct sunlight, out of the reach of children, IT MUST NOT FREEZE!

Shelf life when stored in an originally sealed and undamaged packaging: at least 6 months.

9. Quality Control

The product's quality characteristics are determined by the internal manufacturing specifications as well as by the Slovenian, European and other standards. JUB ensures achieving of the declared or set quality level by the ISO 9001 system for total quality management and control, which has been implemented at JUB for many years and which comprises daily quality checks in its own laboratories, occasionally at the ZAG Construction Institute in Ljubljana and other independent expert institutions in Slovenia and abroad. During the manufacturing process, JUB strictly complies with the Slovenian and European standards for protection of the environment and for ensuring security and health at work, which is confirmed by the ISO 14001 and OHSAS 18001 certificates.

10. Other Information

The technical instructions in this brochure are given based on JUB's experience and are given as a guideline for achieving optimum results. JUB cannot accept any responsibility for the damage caused by incorrect selection of a product, incorrect use or unprofessional work.

This technical sheet supplements and replaces all preceding editions. JUB reserves the right to change and supplement data in the future.

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