

Technical Data Sheet

Clear Coat DOMESEAL



PRODUCT DESCRIPTION

DOMESEAL 2k PU.

Is characterized by high coating strength, UV resistance, estomeric properties, and its waterproofing abilities. DOMESEAL can be used as atopcoat and primer. DOMESEAL doesn't change color or appearance of substrates. Particularly recommended to seal and protect aged or new geodesic dome structures. Product for professional use only.

PRODUCT INFORMATION

SURFACE TYPE	wood, metals, fiberglass, certain coatings
COLOR	transparent
GLOSS	gloss
VOLUME SOLIDS	49%
DENSITY	0,99kg/l
VOC	501,56g/l 568,51g/l (+20%)
MIXING RATIO	2:1 by volume (ml)
THEORETICAL COVERAGE	12÷13m ² /litr for thickness 80µm (WFT) / 40µm (DFT)
METHODE OF APPLICATION	Brush, roll, pneumatic spray gun

INSTRUCTION FOR USE

SURFACE PREPARATION

Remove dust and degrease surface using a low surfactant soap. All salts and other contaminations must be removed. Use a 2000 PSI pressure washer to clean all surfaces to be coated. Some surfaces may require cleaning to remove any potential spotting of the surface.

PRODUCT PREPARATION

This product is two pack product. Always mix the ingredients according to the mixing ratio. Component A is the base, Component B is the hardener. Once mixed, set should be used before pot life expiration- see chapter pot life. For diluting products, add thinner recommended by producer in proper mixing ratio. Thinning level depends on method of application, tools, air temperature, paint viscosity. Percentage dilution ratio see in chapter thinning. Mix all components thoroughly and wait for air bubbles to disappear.

MIXING RATIO

2:1 volume (ml)

THINNING

For thinning it is recommend to use acetone thinner for with very low ppm of water designed to thin polyurethane. Depending on method of application choose:

Thinner for spray application

Function	Brush/roll	Pneumatic spray
Primer	15-20%	15-20%
Topcoat	0-5%	0-5%

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APPLICATION

Number of coats Priming 1-2 layers (number of layers can be changed, all depends on different humidity and absorptivity)

Topcoat 1-2 layers

Pot life 3h (20°C)

Spray parameters

Pneumatic spray

gravity fed

1,3 - 1,4 mm

pressure

2-3 bar

CURING INFORMATION

Temperature	Overcoating interval	Dust dry	Dry to polish	Fully hardened
20°C	minimum 20 min	2 h	24 h	7 days
10°C	minimum 40 min	4 h	48 h	14 days

The given times must be considered as a guideline only. The actual drying time may be longer or shorter depending on film thickness, ventilation, humidity etc.

IMPORTANT NOTES

Product temperature should be minimum 10°C and max. 35°C. Ambient and surface temperature should be more than 10°C and lower than 40°C.

High relative humidity or condensation within the first 24 hours after application may adversely affect the formation of coating.

Do not apply over dirty or oily surfaces. Avoid application in direct sunlight when high heat is present. For degreasing, use low surfactant soap.

It is not recommended to coat surfaces which were previously protected with oils or products containing oils.

It is not recommended for oily wood types like teak, ipe, etc.

Foot traffic should only resume after the last layer of primer and topcoat paint have hardened.

FURTHER WORK

If paint film defects occur, it can be removed by sanding surface P1200-P1500 as a finish gradation and after that use polishing compound

PREMIUM ONE STEP CUT & HIGH GLOSS

SOFT CUT & GLOSS

Finish stage:

EXTRA SHINE HOLOGRAM REMOVER

Protect surface:

QUICK WAX

STORAGE AND SAFETY INFORMATION

SHELF LIFE

Base (component A) 12 months from production date

Hardener (component B) 9 months from production date

STORAGE

Product components should be stored in tightly sealed containers, in a temperature of 10-25°C, away from sources of fire, heat and sunlight. Close container tightly immediately after each use. Store in a dry place and keep sealed cans until use.

The hardener is moisture sensitive! Store tins in a dry place and keep them tightly

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closed until next use. Even the smallest trails of water in mixed paint will cause shortening of use-by date and, as a result, flaws on the surface.

HSE CONDITIONS

Please follow safety instructions from the Safety Data Sheet for hazardous chemical and follow workplace safety laws. The general rule is to avoid contact of the product with the skin and eyes. When product is used in a small, closed spaces you must provide forced ventilation. It is also recommended that you protect your respiratory system, eyes, and skin. Special care should be taken in the area of fire protection and explosion hazards. **Notice ! Always follow all precautionary, health and safety notice on the Safety Data Sheet and container labels.**

DISCLAIMER

All data in this document have been prepared for informational purpose only. We can not take responsibility for the results of user actions over which we have no control. The user is responsible for making the control sample and determining the suitability of the product for specific, individual applications. DOMESEAL does not take responsibility for any damage, or loss of profits associated with the improper use of the products. All information is based on scrupulous laboratory research and many years of experience. Our position of market leadership does not free us from constant quality control of our products. However, we do not accept responsibility for the effects of improper use or storage of our products, or the effects of using our products in any way contrary to the standard of good workmanship.

QUALITY GUARANTEE

Production, quality control and the realization of deliveries fulfill the demands of ISO 9001 and 14001 standards.