PRODUCT DATA SHEET

DUROPROOF™ NEP HV

POLYURETHANE MEMBRANE

DUROTECH
Commercial Waterproofing & Sealants

DESCRIPTION

DUROPROOF™ NEP HV is a high-performance high Viscosity single component, moisture curing polyurethane membrane that forms a tough, flexible, seamless barrier. This high-performance polymer technology allows the professionals the ability to apply via roller, brush or squeegee applications on multiple application areas without any hassles to form a perfect high build finish.

FEATURES

- Single component, moisture curing polyurethane
- Class 3, Compliant to AS4858 & AS4654.1
- High Solids
- Low VOC
- Excellent curing speed
- High Tensile Strength
- Anti-Root
- UV Resistant

SUITABLE SURFACE

- Concrete
- Cement
- Cement Block Work
- Fibre Cement (FC) Sheeting
- Hebel
- Render
- Brick
- Plaster Board
- Masonry

USE AREAS

- External Wet Areas
- Internal wet area floors under or over screeds
- Balconies, roof decks and podiums
- Planter Boxes
- Retaining Walls
- Green roofs and landscaped decks
- Lift Pits
- Exposed Rooftops with DUROPROOF™ TTC

TECHNICAL INFORMATION

Colour	Grey
Membrane Classification	Class 3 – high extensibility
Elongation at Break	>300% Class 3
Cure System	Moisture cure
Volume Solids	94%
Full Cure	7 Days @ 25°C and 50% RH
Flammability	Non-flammable
Recoat Time	24 hours @ 25°C and 50% RH
Minimum Dry Film Thickness	1500microns

AUSTRALIAN MADE SINCE 1977

SPECIFICATION

The information contained in this product data sheet is typical but does not constitute a full specification as conditions and specific requirements may vary from project to project. The instructions should be considered as a minimum requirement but the applicator or contractor must use their skill, knowledge and experience to carry out additional works as may be necessary to meet the requirements of the project. Specification for specific projects should be sought from the Specifications section on durotechindustries.com.au

SURFACE PREPARATION

Good preparation is essential. Surfaces must be sound, stable, dry, clean and free of dust, loose, flaking, friable material and substances that may diminish adhesion.

JOINTS, GAPS AND CRACKS

General Joins, gaps and cracks should be suitably filled and sealed with DUROSEAL™ 40FC or DUROSEAL™ FC PRO, and allowed to cure. Recommendation: The movement of small cracks should not be underestimated and should be at least covered with DUROSEAL™ 40FC or DUROSEAL™ FC PRO and additional coats of DUROPROOF™ NEP HV.

PRIMING

DUROTECH™ HIBUILD WBE may be used in areas where the moisture content of the surface is low, applied at no less than 1 Litre 4m^2.

If there is a risk of entrapped moisture in the substrate which may cause the membrane to bubble or out gas, two coats of DUROTECH™ HIBUILD WBE should be applied.

DUROPRIME™ PU primer may be used on porous substrates such as concrete at the rate of 6-8m2 per litre.

Excessively porous, friable, and dusty surfaces may require an additional priming coat.

Metal surfaces must be clean and free of contaminants and then apply DUROPRIME™ ME or DUROTECH™ HIBUILD WBE. If surface rust is present, treat the rust with a rust converter, and then apply DUROPRIME™ ME or DUROTECH™ HIBUILD WBE.

Ensure primers dry before applying DUROPROOF™ NEP HV and refer to the technical data sheet of the relevant primer. PVC fittings should be etched and primed with DUROTECH™ HIBUILD WBE.

BOND BREAKER

When installing bond breakers use DUROSEAL™ 40FC or DUROSEAL™ FC PRO. The bond breaker is to be installed over the dry primer coat where a bond breaker joint is required. Bond breaker joints must be a minimum 15mm x 15mm for external applications at a 45 degree angle. Apply DUROPROOF™ NEP HV once DUROSEAL™ 40FC or DUROSEAL™ FC PRO has cured.

APPLICATION

DUROPROOF™ NEP HV can be applied with a brush or a roller to the desired thickness.

Minimum application over 2 coats is required to achieve a dry film thickness (DFT) of 1500 microns.

Recoating instruction: In normal conditions, DUROPROOF™ NEP HV can be re-coated with another layer of DUROPROOF™ NEP HV after one night and within 24 hours. In case of rain or if the recoating interval was exceeded, come back to the substrate by grinding.

SHELF LIFE

Shelf life: 6 - 9 months in unopened container but best used within 6 months. As this is a polyurethane some skinning of the product may occur. This should be cut out and removed. Balance of the product will be suitable for use.

CLEAN UP

Avoid spills. They are difficult to clean particularly off porous surfaces. For wet spills use a cloth soaked in DUROTECH™ XYLENE. Equipment should be immediately cleaned with DUROTECH™ XYLENE.

SAFETY

Refer to the DUROPROOF™ NEP HV Material Safety Data Sheet available on the Durotech website. The wearing of gloves, goggles, coveralls and safety footwear is highly recommended. For full safety details refer to the products Material Safety Data Sheet available on durotechindustries.com.au. For further information about this product contact technical department of Durotech Industries 1300 434 272.

CURE

DUROPROOF™ NEP HV will reach full cure after 7 days.

PRECAUTION

- Do not apply if temperature is above 35°C or less than 5°C
- Do not apply if rain is imminent
- Do not use in a chlorinated environment
- Ensure sheet flooring is appropriately fixed as per manufacturers' instructions
- Do not direct stick tiles onto DUROPROOF™ NEP HV as this could lead to the debonding of tiles

LIMITATIONS

Direct bonding of ceramic tiles or other hard coverings is not recommended. Topping screeds should be self supporting (i.e. reinforced), should be at least 40mm thick and applied over a suitable slip sheet. DUROPROOF™ NEP HV must be applied to completely dry surfaces. DUROPROOF™ NEP HV should not be applied without the necessary protective clothing – refer safety data. This product is very sensitive to air, therefore containers cannot be resealed for future use once they have been opened.

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