Hitchins since 1932

ASIA'S LEADING BUILDING PROTECTION SPECIALIST

NURAPRUFE 415 SA

HIGH PERFORMANCE HDPE POST-APPLIED WATERPROOFING MEMBRANE WITH HIGHLY SENSITIVE ADHESIVE THAT BONDS TO CONCRETE

GreenLabel SINGAPORE
040 034
Low Emission Low Toxicity Adhesive/Sealant

DATA SPECIFICATION SHEET

DESCRIPTION

NURAPRUFE 415 (Self-Adhesive) membrane is unique as it is made up of composite sheets comprising a thick HDPE film and a highly sensitive adhesive that gives an excellent bond to the surface it is installed on.
It is a post-applied fully bonded waterproofing membrane that bonds directly to concrete, thus sealing the concrete and preventing any ingress of water around the structure. The material is self-protecting and installation of protection board before backfilling is optional.

AREAS OF USAGE

NURAPRUFE 415 (Self-Adhesive) is ideally suited for used to waterproof basement walls, tunnels walls, subways walls, retaining walls, etc.

ADVANTAGES

- Thick HDPE provides high dimensional stability, puncture and tear resistance.
- High strength sensitive adhesive ensuring close and secure bond to concrete surface.
- The membrane is self protecting – protection board is optional
- Provides a physical barrier and isolate structure to water penetration and rising dampness.
- Weather and UV resistant.
- Simple and quick to install.
- No priming required.

PRODUCT SPECIFICATION

THICKNESS	: ≥ 1.2mm
PACKAGING	: 2.0m x 20m per roll
TENSILE STRENGTH (SS 374)	: >25 N/mm²
ELONGATION (SS374)	: >1000%
TENSILE SHEAR AT JOINT (SS374)	: >700 N / @80mm joint
DIMENSIONAL STABILITY (SS 374)	: ≤ 0.5%
RESISTANCE TO LEAKAGE AT JOINTS (SS 374)	: No Leakage
RESISTANCE TO HYDROSTATIC PRESSURE (DIN 16726)	: 20 bar, No rupture or leakage
PUNCTURE RESISTANCE (ASTM E 154)	: ≥ 950 N
PEEL ADHESION TO CONCRETE (ASTM D903)	: ≥ 2000 N/m
UV ACCELERATED WEATHERING - 1000 HOURS (ASTM G154)	: Passed
LATERAL WATER MIGRATION (ASTM D5385)	: No water leakage at max pressure (70m)
WATER VAPOUR TRANSMISSION (ASTM E96)	: 0 g/m².hr
RESISTANCE TO HYDROSTATIC PRESSURE - NURAPRUFE 415 SA OVERLAP WITH NURAPRUFE 415 (DIN 16726)	: There is no leakage at 7 bar

PROPRIETARY SYSTEM

Nuraprufe 415 (Self-Adhesive) is typically installed on vertical substrate (external application) and used together with **Nuraprufe 415** pre-applied membrane on horizontal substrate for substructures. The membranes are compatible and will form a homogeneous waterproofing seal to basement structures.

Other accessories:
- **Nuraprufe Tape / Nuraprufe SS Tape**
- **Nuraprufe Seal**

APPLICATION

SUBSTRATE PREPARATION

All Surfaces - It is essential to create a sound and solid substrate. Substrates must be regular and smooth with no gaps or voids greater than 12mm.

APPLICATION

Nuraprufe 415 (Self-Adhesive) can be applied at temperatures of -4 C or above. During cold or damp conditions, the selvedge can be gently warmed using a hot air gun or similar to remove moisture or condensation and improve initial adhesion.

Vertical Substrates

The membrane may be installed in any convenient length to the substrate. Align membrane and remove plastic release liner side facing towards the concrete pour. Using heavy hand, press the membrane against substrate to ensure close bond between membrane and substrate.

Mechanically fixings if required can be made through the selvedge. The fixings are sealed when the succeeding layer of membrane overlaps along the selvedge. Any additional fixings must be sealed with a patch of Nuraprufe 415 (Self-Adhesive) membrane. Before overlapping, ensure the first membrane layer is clean, dry and free of contamination.

Roll Ends and Cut Edges

Overlap all roll ends and cut edges by a minimum 75mm and ensure the area is clean and free from contamination, wiping with a damp cloth if necessary.

EXPOSURE AND PROTECTION

Following the application and inspection, care should be taken to prevent damage by following trades. Any punctured or damaged areas should be cleaned and patched using Nuraprufe 415 (Self-Adhesive) membrane with minimum 50mm laps all around.

HEALTH & SAFETY

Read the product label and Safety Data Sheet (SDS) before use. Users should acquaint themselves with all risk and safety phrases.

Place Product Sample Here

Hitchins (FE) Marketing Pte Ltd
Telephone: (65) 6861 1177
Facsimile: (65) 6863 4240
Email: hitchins@hitchins.com

Revision A
All data given and statements and recommendations made herein are base upon our research and experience and are believed to be accurate. However, no guarantee of their accuracy is made or applied. This data specification supersedes all other issues.