



# A Product Technical Statement



PTS# R1120

EXPIRY DATE:  
30 Oct 2023



## Product

**1.1 SEALCO's Dek-Master Pro Vinyl Roofing System is a 1.5mm thick PVC sheet membrane designed for use on decks and flat roofs for residential and commercial buildings alike.**

**1.2** The system consists of Ducan Plywood filler, Ducan Dek-Master (Exterior Contact) Adhesive, Ducan Overlap Cement, and Dek-Master Pro Vinyl sheet.

**1.3 1.4** The Dek-Master Pro Vinyl Roofing System is to be installed by persons trained and approved by SEALCO Ltd. in accordance with the manufacturer's technical and installation instructions.

## Compliance

**2.1** In the opinion of BEAL, the Dek-Master Pro Vinyl Roofing System when designed, installed and maintained in accordance with the statements and conditions of this Product Technical Statement, will meet the following provisions of the New Zealand Building Code evidenced by:

| Performance clause                    | Evidence  | Supplied by  |
|---------------------------------------|---|--------------|
| B1.3.3(h) - resistance to wind uplift | Test Report, plus in-service history            | FM Approvals |
| B2.3.1(b) 15 years durability         | Test Report, plus in-service history            | SEALCO       |
| D1.3.3(d) adequate slip resistance    | ASTM D1028 Test Report, plus in-service history | SEALCO       |
| E2.3.2 external moisture resistance   | Test Report, plus in-service history            | SEALCO       |
| F2.3.1 non-hazardous materials        | Expert opinion                                  | BEAL OPINION |

## Scope and Limitations

### 3.1 Scope of Use

SEALCO's Dek-Master Pro Vinyl Roofing System is suited to decks and balconies on residential buildings with a maximum height of 10m.

### 3.2 Limitations

Deck supporting structures of timber framing with substrates of plywood; and or substrates of suspended concrete slabs shall be designed and constructed in accordance with the NZBC; and,

— be situated in NZS 3604 Wind Zones, up to, and including 'Very High'; and



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- not be installed in vehicle trafficable areas without the approval of Sealco Limited;
  - B. All designs and construction shall be in accordance with the Technical Manual ver X issued in March of 2020;
  - C. Quality and maintenance shall be in accordance with the Sealco Building Product Quality Plan ver 1.0 issued March 2020.
- 3.3 The owner of the building is responsible for the proper maintenance of the membrane system as set out in an owner's maintenance schedule.
- Method V2.2.1 (a) Weatherproofing.

## Technical Literature

4.1 Test Reports have been supplied from -  
FM Approvals—Report 3022560 dated Jul6 2006;  
Technical Data Sheet dated June 2011;  
The Dek-Master Installation Guide, 2009;  
A SEALCO in-service history statement.

## Technical Details

- 5.1 The product comprises of -
- ◆ 1.5mm thick PVC fleece-backed sheet
  - ◆ Dek-Master Pro-series adhesive
  - ◆ Dek-Master adhesive - low temp version
  - ◆ Dek-Master overlap cement adhesive
  - ◆ Dek-Master U-channel
  - ◆ Ducan Plywood filler
  - ◆ Ducan special thinner
- by the owner or applicator include -
- ◆ Masking tape
- Tools and the like for installation of the De-Master Pro Vinyl Roofing System.

## Basis of this Product Technical Statement

BEAL use the compliance verification procedure to assess compliance with the relevant clauses of the New Zealand Building Code. The following is a summary of additional technical investigations carried out:

### In-service History

6.1 SEALCO have provided an "in-service history" statement. The product is claimed to have performed satisfactorily for the past 15 years in New Zealand and other parts of the world, in a wide range of conditions.

### Ease of repair or maintenance

6.4 The Technical Literature covering repair and maintenance has been examined by BEAL and found to be satisfactory.

### Quality

6.5 The ordering and supply of the system is managed through a product quality system, which has been assessed by BEAL and found to be satisfactory.

6.6 Designers are responsible for the substructure design, and building contractors are responsible for the quality of construction of the substructure or new

substrate in accordance with the instructions of the substrate manufacturer and this Product Technical Statement.

6.9 Building owners are responsible for the maintenance of the installed products in accordance with the manufacturer's instructions and this Product Technical Statement.

Authorised Signatory,



C R Prouse - Director  
**BEAL** (Building Element Assessment Laboratory Limited)  
[Updated March 2023]