

# Thermal Resistance Test Certificate

Monday October 9<sup>th</sup> 2017

Supplier: Terra Mater Hardwood Floors Pty Ltd (23-27 Rodeo Drive, Dandenong, VIC 3175)

Sample Description: 5mm Vinyl RESI Plank

Date Tested: September 2017 (Tested through FORAY Laboratories – NATA Accreditation 1231)

Test Method: ASTM C518-2010 “Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus”.

Test Data:

| Sample Identification                             | 5mm Vinyl RESI Plank |        |
|---|----------------------|--------|
| Specimen  | 1                    | 2      |
| Specimen Thickness (mm)                           | 5                    | 5      |
| Specimen Density (kg/m <sup>3</sup> )             | 1534                 | 1548   |
| Test Duration (hrs:mins)                          | 01:36                | 01:24  |
| Measured Heat Flux (W/m <sup>2</sup> )            | 372.6                | 406.7  |
| Measured Thermal Conductivity (W/m.K)             | 0.2527               | 0.2757 |
| Thermal Resistance – R Value (m <sup>2</sup> K/W) | 0.02                 | 0.02   |



Dr. Vyt Garnys  
 PhD, BSc(Hons) AIMM, ARACI, ISIAQ  
 ACA, AIRAH, FMA  
 Managing Director and Principal Consultant



Nick Joy  
 BSc(Hons)  
 Consultant



Tuan Duong  
 B.E. Chem.  
 Consultant

CV170911