

# PROJECT

## FLOORS

27 Anvil Road  
Silverdale  
Auckland

### 7.0mm Acoustic SPC Product (5.0mm/0.50mm SPC+2.0mm IXPE) Technical Data

| Subject                                          | Main Parameter                                                                              | Reference Standard         |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------|
| Name                                             | Acoustic SPC                                                                                |                            |
| Type of flooring                                 | Heterogeneous PVC floor covering                                                            | ISO 19322 ISO 10582        |
| Classification                                   | 23/33/42                                                                                    | ISO 10874                  |
| Structure                                        | PU coating, wear layer(0.50mm), print film(0.07mm),                                         |                            |
|                                                  | Core (4.43mm), IXPE (10x, 2.00mm)                                                           |                            |
| Impact sound reduction                           | 21dB                                                                                        | ISO 10140-1 &<br>ISO 717-2 |
| Wear layer density                               | 1.28-1.31g/cm <sup>3</sup>                                                                  |                            |
| Size                                             | Length deviation ≤0.15% up to 0.5mm maximum.<br>Width deviation ≤0.10% up to 0.5mm maximum. | ISO 24342                  |
| Squareness, mm                                   | ≤0.25 mm                                                                                    | ISO 24342                  |
| Straightness, mm                                 | ≤0.25 mm                                                                                    | ISO 24342                  |
| Overall thickness                                | ±0.13 mm                                                                                    | ISO 24346                  |
| Wear layer thickness                             | +13 %/-10 %                                                                                 | ISO 24340                  |
| Surface treatment                                | PU coating                                                                                  |                            |
| Bevelled edges                                   | Yes                                                                                         |                            |
| Resistance to heat                               | ΔE<3.5 avg, max                                                                             | ASTM F1514                 |
| Color Fastness to heat                           |                                                                                             |                            |
| Resistance to light                              | ΔE<3.5 avg, max                                                                             | ASTM F1515                 |
| Color Fastness to light                          |                                                                                             |                            |
| Color fastness                                   | ≥Grade 6                                                                                    | ISO 105-B02                |
| Dimensional stability,<br>80℃×6h                 | ≤0.15 %                                                                                     | ISO 23999                  |
| Curl, 80℃×6h                                     | ≤2 mm                                                                                       | ISO 23999                  |
| Total mass per unit area                         | +13 %/-10 %                                                                                 | ISO 23997                  |
| Residual<br>indentation( average)                | ≤0.20 mm                                                                                    | EN ISO 24343-1             |
| Staining and resistance<br>to chemicals          | Class 0                                                                                     | ISO 26987                  |
| Micro-scratch resistance                         | MSR B2                                                                                      | EN 16904                   |
| Scratch resistance                               | 2300 g                                                                                      | EN ISO 1518-1              |
| Peeling strength                                 | ≥1.0 kgf/cm                                                                                 | ISO 24345                  |
| Thermal expansion                                | 2.2X10 <sup>-5</sup> /℃                                                                     | Ref. ASTM D696             |
| Reaction to fire                                 | Bfl-s1                                                                                      | EN 13501-1                 |
| Electrical resistance<br>(Antistatic Resistance) | ≤2kV                                                                                        | EN 1815                    |
| TVOC                                             | ≤ 0.5 mg/m <sup>3</sup>                                                                     | CDPH/EHLB standard         |
| Slip resistance                                  | ≥R9 or R10<br>DS                                                                            | DIN 51130<br>EN 13893      |
| Abrasion resistance                              | Group T                                                                                     | EN 660-2                   |
| Toxicity                                         | No toxic, not contain heavy metal                                                           | EN71-3                     |
| Formaldehyde                                     | E1                                                                                          | EN717-1                    |
| Use recycled materials<br>or not                 | No post-consumer waste                                                                      |                            |
| Features                                         | PU coating, easy to clean;                                                                  |                            |
|                                                  | To simulate wood/stone design, lots of colors to select;                                    |                            |

|            |                                                                                                     |  |
|------------|-----------------------------------------------------------------------------------------------------|--|
|            | Use durable wear layer;                                                                             |  |
|            | Sound reduction to make you feel comfortable                                                        |  |
|            | Slip resistance, no contain toxic substance                                                         |  |
| Using area | Residential/Business building, mall, hospital, factory, school, gymnasium, supermarket, office area |  |