



PAGplay – TPEV Playground Flooring

Total Thickness 30-140mm



2-Layer Elastic Seamless Playground Flooring of 30-140mm total thickness

PAGplay – TPEV is a water-permeable system of SBR and TPEV bound with MDI-based Polyurethane Binder. It is ideal for Playgrounds and Multi-Game-Areas and fulfils the requirements of EN1177 and EN71.3

1.0 Build-Up

Subbase of fully cured (at least 28 days) asphalt or concrete free of any dirt or spillage, that might prevent bonding of the rubber to the asphalt.

Alternatively, unbound surfaces can be used, but horizontal movement is possible and might lead to detachment from the concrete borders of the rubberized area.

PU Primer PP1000 applied by roller on top of the subbase (skip for unbound surface).

SBR layer consisting of **SBR** (recommended granule size 2-4mm) mixed with PU Binder **PB3300** installed at 20-125mm thickness.

PU Primer PP1000 to be applied by roller on top of elastic SBR layer.

TPEV layer consisting of **TPEV1035** (granules of 1.0 – 3.5mm size) mixed with PU Binders **PB3300** or **PB3400** installed at 10-15mm thickness.



2.0 COLOR CHART



01 – Bright Red*
~RAL 3017



02 – Maroon Red
~RAL3016



03 – Orange*
~RAL2008



04 – Red Violet
~RAL4002



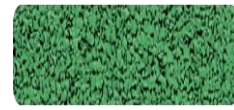
05 – Bright Yellow
~RAL1012



06 – Golden Yellow
~RAL1002



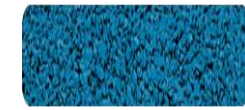
07 – Light Green
~RAL6011



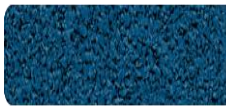
08 – Grass Green
~RAL6017



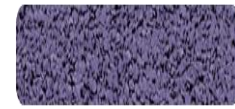
09 – Dark Green
~RAL6005



10 – Sky Blue*
~RAL5015



11 – Dark Blue*
~RAL6010



12 – Purple*
~RAL4005



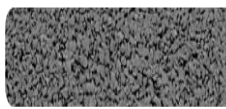
13 – Light Ivory*
~RAL1015



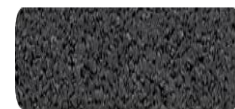
14 – Beige
~RAL1014



15 – Brown
~RAL8024



16 – Light Grey*
~RAL7037



17 – Dark Grey
~RAL7011



18 – White*
~RAL9010

Note: Colors marked with an * are recommended to be applied with Aliphatic Binder PB3400

Aromatic Polyurethane Binder will yellow under influence of UV (sunlight). This yellowing is normal and does not influence the quality of the materials, but will change the look of the colours. This effect will wear off after 3-5 months, as the surface binder will be weathered off.



3.0 Recommended Thickness

Note: The below values are average values derived from many tests on sites and in the laboratory. Based on EN1177, the final Free Fall Height Values (HIC1000) depend on many conditions like temperature, humidity, troweling strength and others. For certification, inspection needs to be raised at site.

Thickness	Free Fall Height	Free Fall Height
	EN1177	ASTM1292
30mm	1000mm	3 Feet
40mm	1250mm	
50mm	1500mm	4 Feet
60mm	1700mm	5 Feet
70mm	1900mm	6 Feet
80mm	2300mm	7 Feet
110mm	2700mm	8 Feet
140mm	3000mm	9 Feet



4.0 Other Technical Characteristics

Sliding Behaviour as per **DIN 18035 – Part 6**

Sliding Coefficient μ - dry surface (req: ≤ 0.8) 0.66

Sliding Coefficient μ - wet surface (req: ≥ 0.5) 0.52

Sliding Behaviour as per **DIN 51130:2010 – Part 10** for dry surfaces

Middle Slope of 6 tests 16% (Class R10)

Sliding Behaviour as per **DIN 51097:1992 – Part 11** for wet surfaces barefoot

Middle Slope of 8 tests 21% (Class B)

Flammability as per **DIN 4102**

Class B2 (normal flammability)

Abrasion Behaviour as per **DIN 18035 – Part 6**

Relative Abrasion Resistance $rV = 18$ (≥ 1 for textured surfaces)

After 5 cycles, the amount of abraded material was ~29% of the amount after 20 cycles.