



SafetyPlay Pro® PU Colour SBR System

SOFT FALL FLOORING PU SYSTEM SHEET

5 YEAR DURABILITY



PL-SF-PU-03

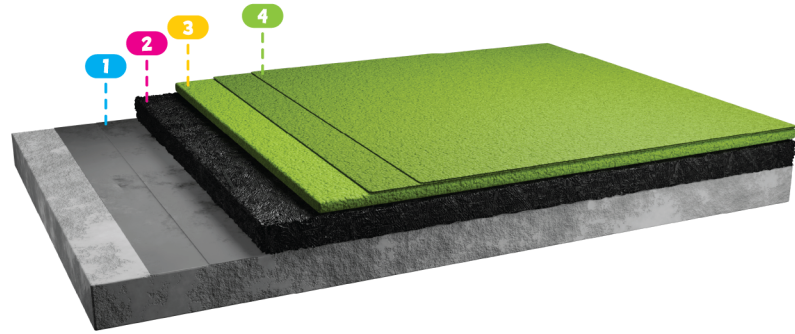
SafetyPlay Pro® PU Colour SBR

AN SBR, ECONOMICAL, ELASTIC,
IMPACT-ABSORBING, WET-POUR
RUBBER FLOORING SYSTEM.

A **SBR cost-effective** multi-layer
system that delivers **vibrant,**
pigmented playground flooring
while delivering **excellent impact**
absorption & child safety.

It combines a **primer** for secure
adhesion, a **SBR base layer** for
impact absorption & fall protection
& a **SBR wear layer** enhanced with
Colourant pigments for playful
colour designs. **Finished** with a PU
matt topcoat for **protection**
against fading & extends service
life under heavy outdoor use.

Suitable on compacted gravel,
cement or asphalt surfaces.



APPLICATION STEPS:

1 Primer Layer

Before priming the surface must be properly prepared. Always consult for a detailed specification.

SURFACE PREPARATION GUIDE:

- The areas to be coated should be dry, firm, solid and free from dust, oil, fats, and other contaminants.
- Oil can be removed using **Hydrosolve Degreaser**.
- Fungal growth or algae can be removed using **Fungicidal Wash**.
- Laitance and loose particles must be removed thoroughly (i.e., grinding/high pressure cleaning).
- Moisture content of concrete surfaces should not exceed 4%.
- Surfaces must be mechanically abraded and free of dust prior to application.

Apply 1K PU Primer

- Improves adhesion

Apply primer to properly prepared substrate using a brush, roller or airless sprayer.

The primer must be applied in 2 layers. Adhere to proper drying times between coats & before overcoating.

2 Base Layer

Mix SafetyPlay Pro® SBR Rubber Mulch (32 mm) + SafetyPlay Pro® PU SF Binder 1K for SBR

- Improves impact-absorption for Critical Fall Height

Mix products well and pour onto the properly dried **Primer Layer**.

Spread & level using a rake & straight edge, then smooth with a flat metal trowel or heat trowel/paver/roller.

Compact the layer with a cylinder roller for a smooth, uniform finish.

3 Wear Layer

Mix SafetyPlay Pro® SBR Rubber Granules (0.8 - 2.5 mm) + SafetyPlay Pro® PU SF Binder 1K for SBR + Muskateer RAL Colourant

- Adds colour, extra cushion & firm joint support

Mix products well and pour onto the properly cured **Base Layer**.

Spread & level using a rake & straight edge, then smooth with a flat metal trowel or heat trowel/paver/roller.

Compact the layer with a cylinder roller for a smooth, uniform finish.

4 Finish Layer

Apply SafetyPlay Pro® PU SB Matt (GU 5-10) Topcoat

- Adds Matt finish, mechanical & abrasion resistance

Apply the clear/coloured topcoat onto the properly cured **Wear Layer** using an airless sprayer or short haired mohair roller.

The topcoat must be applied in 2 layers. Adhere to proper drying times between coats.

CERTIFIED

If installed to specified critical fall height thicknesses:
HIC under 1000 & peak impact forces under 200g

- ✓ SANS 51177:2010
- ✓ HIC (Head Injury Criterion)
- ✓ EN 1177
- ✓ EN 1176-1

Certificates available upon request

Layers	Products	Consumption
1 : Primer	1K PU Primer A transparent blue, one component, solvent based, moisture curing polyurethane primer.	0.140 - 0.185 lt/m ² for 2 layers
	SafetyPlay Pro® SBR Rubber Mulch (32 mm) Black, styrene-butadiene recycled rubber mulch, providing the softest feel required underfoot.	18 kg/m ² for 30mm mixture
2 : Base	SafetyPlay Pro® PU SF Binder 1K for SBR A one component, solvent free, polyurethane binder for SBR (15% by weight).	2.7 kg/m ² for 30mm mixture
	SafetyPlay Pro® SBR Rubber Granules (0.8 - 2.5 mm) Black, styrene-butadiene recycled rubber granule for a soft, closed pore finishes.	6 kg/m ² for 10mm mixture
	SafetyPlay Pro® PU SF Binder 1K for SBR A one component, solvent free, polyurethane binder for SBR (25% by weight).	1.5 kg/m ² for 10mm mixture
3 : Wear	Muskateer RAL Colourant High performance APE/APEO & formaldehyde free, ready-made universal liquid RAL colourant.	0.6 kg/m ² 10% for 10mm mixture
	SafetyPlay Pro® PU SB Matt (GU 5-10) Topcoat Matt colour/clear, solvent based, highly flexible & UV resistant protective polyurethane topcoat	0.3 kg/m ² for 2 layers