



SPECIALIZED
COATING SYSTEMS

PLAYGROUND SOFT FALL FLOORING

SAFETYPLAY PRO®

SOUTH AFRICAN PLAYGROUND SAFETY CRISIS

YOUR PLAYGROUND FLOOR COULD BE THE MOST DANGEROUS THING ON YOUR PROPERTY.

40 000 South African children are admitted to hospital from playground injuries every year.
Over 70% of those injuries happen from falls — and the surface they land on is the single biggest factor determining whether a child walks away or is carried away.

40K

SA CHILDREN
HOSPITALISED FROM
PLAYGROUND INJURIES
ANNUALLY

70%

OF ALL PLAYGROUND
INJURIES RESULT FROM
FALLS TO THE SURFACE

80%

REDUCTION IN INJURIES
WHEN COMPLIANT
SURFACING IS INSTALLED

60cm

SANS 51176 LEGAL
THRESHOLD — IMPACT
SURFACING IS NOT
OPTIONAL

WHY THE SURFACE BENEATH MATTERS?

Impact force, not fall height, kills. 1

A child falling 1.5m onto concrete experiences over 200G of force on impact. The same fall onto **SafetyPlay Pro®** reduces that to below the critical HIC threshold that causes brain injury.

Concrete and grass fail the test. 2

SANS 51176 explicitly excludes grass (natural or artificial), concrete, paving, tar and compacted earth as compliant surfaces. These are the most common surfaces in SA schools.

Fractures are the most common outcome. 3

Broken bones, head trauma and lacerations dominate SA playground injury data. Fractures from fall impact are almost entirely preventable with correct surfacing.

Children's bones are still developing. 4

Growth plates make children far more vulnerable to fractures than adults — making impact-absorbing surfaces essential, not optional.

THE PRACTICAL CASE FOR SCHOOLS



You have a legal Duty of Care.*

SANS 51176 imposes a legal duty on all schools, municipalities and childcare facilities. Non-compliance is not ignorance — it's liability.



No disruption to the school day.

Installed in a single day with no excavation, no construction, no downtime. School continues operating normally throughout.



10–15 year lifespan.

UV-stable, weatherproof cushioned rubber crumb designed for South Africa's climate — from Highveld hailstorms to KZN humidity.



Parents notice. Enrolments follow.

A vibrant, visibly safe play environment signals to parents that your school invests in every dimension of child wellbeing.



Scale to your budget.

Begin with the highest-risk zone (under the jungle gym) and expand over time. Every square metre matters.

SAFETYPLAY PRO®

Are you currently non-compliant? If your school has playground equipment higher than 60cm above the ground — slides, swings, climbing frames, monkey bars — and the surface beneath is concrete, grass, paving or bare earth, you are in breach of SANS 51176 and the Consumer Protection Act. A child injured on a non-compliant surface exposes your school, SGB and governing body to significant legal liability.



* SANS 51176 | Consumer Protection Act | Duty of Care:

The South African Bureau of Standards playground safety framework mandates compliant impact-attenuating surfacing beneath all equipment with a free fall height exceeding 600mm. Compliance is the legal minimum.

SafetyPlay Pro® systems are engineered to international CFH standards and can be installed with a certificate of compliance.

UNDERSTANDING CRITICAL FALL HEIGHT (CFH)

Critical Fall Height (CFH) is the maximum height from which a child can fall without the impact exceeding the **Head Injury Criterion (HIC)** threshold — the internationally accepted measure of brain injury risk. The CFH of your surface determines how thick your cushioning layer needs to be.

Thicker systems protect against higher falls from more demanding equipment.

• **2.0m+**

MONKEY BARS, SWINGS & HIGH FRAMES

SafetyPlay Pro® systems engineered to rated CFH — bringing HIC below the brain-injury threshold at these heights.

• **1.0-1.5m**

SLIDES, CLIMBING FRAMES & JUNGLE GYMS

Common in SA schools. Falls onto concrete at this height can cause fractures, concussion & head trauma.

• **0.6m**

STANDARD BENCHES & LOW EQUIPMENT

Minimum legal threshold — impact surface legally required from this height upward under SANS 51176.

THE COMPLETE SafetyPlay Pro® SYSTEM

SCS manufactures every component of the system in-house — from primers through to topcoats. No third-party supply chain risk. Consistent quality across every batch.

1: PRIMER

Bonds system to substrate. Prevents delamination.

2: RUBBER CRUMB & BINDER

The cushion layer. Thickness calibrated to CFH.

3: WEAR LAYER

Vibrant, UV-stable. Custom designs & zones.

4: PORE FILLER & TOPCOAT

Durable, weather-resistant finish. Anti-slip option.

5: LINES, MARKING & EQUIPMENT

Integrated with **PLASTIFORM®** Playground Markings.



ENGINEERED FOR SOUTH AFRICAN CONDITIONS

UV & weather stable. Designed for SA's intense UV exposure, Highveld hailstorms and KZN coastal humidity.



Seamless & accessible. No joints, no trip hazards. Wheelchair accessible. Inclusive by design.



Fully permeable. Drains rainwater through the surface. No standing water, no puddles, no slipping.



100% SA manufactured. All components produced at our Johannesburg facility. No import dependency.



SANS 51176 Compliant
Fall Protection



Anti-Slip Aggregate
Wet & Dry Safety



UV & Weather Stable
10-15 Year Lifespan



Tailored Colours
& Custom Designs



Indoor & Outdoor
Sports Courts & Tracks



Certificate of
Compliance Available

GOVERNMENT SCHOOLS

- Apply for facilities and school infrastructure budgets (Norms & Standards)
- Demonstrate visible safety investment to SGB and parents
- Eliminate Duty of Care liability exposure immediately
- Pair with **PLASTIFORM®** Markings for a complete playground upgrade
- Budget-scaled options — start with the highest-risk zone first

INDEPENDENT & PRIVATE SCHOOLS

- Open day differentiation — safety parents can see and feel
- Premium whole-child experience. Protection AND design
- Custom colour schemes and bespoke zone layouts
- Combine with **PLASTIFORM®** for a fully branded learning environment
- Multi-phase rollout plans available to match capital cycles

NOT JUST FOR PLAYGROUNDS!

Cushioned rubber surfaces are perfect for running tracks, sports courts, recreational areas, and ECD centres. Enjoy the same impact protection, joint support, and vibrant design in multi-use spaces — suitable from toddlers to adults.

FREE PLAYGROUND SAFETY ASSESSMENT & QUOTE

We assess your equipment heights, calculate fall zones, and specify the right system for your school — at no cost. Ask about combining **SafetyPlay Pro®** with **PLASTIFORM®** Playground Markings for a complete playground transformation.

SPECIALIZED
COATING SYSTEMS

SAFETYPLAY PRO®
MANUFACTURED BY:

SPECIALIZED COATING SYSTEMS (PTY) LTD
REGISTERED ISO 9001 • ISO 45001 • ISO 14001

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- ✓ Impact absorption to SANS 51177
- ✓ Seamless, no trip hazards
- ✓ Wheelchair accessible
- ✓ Non-toxic & eco-friendly
- ✓ Custom colours & zones
- ✓ Anti-slip wet & dry
- ✓ Fully drainable
- ✓ 100% SA manufactured
- ✓ Single-day installation
- ✓ Certificate of compliance

NOTICE: The information in this document has been drawn up in good faith with the intention of providing information based on current knowledge, and may be subject to change without notice. The purchaser should verify the use of the products or services and is responsible for contacting our technical staff who can provide guidelines for specific or special applications not presented in this document. Specialized Coating Systems (PTY) LTD assumes no obligation or liability for the information in this document.