

Kelowna Safety Surfacing

Playground Specifications

SPECIFICATIONS FOR POURED IN PLACE RUBBER SAFETY SURFACING

1.0 General

1.1 Section Includes: Resilient playground surfacing Poured-in Place system

1.2 Related Work: Permeable Sub-base and playground equipment

1.3 Description: Provide all material, equipment, and labour for the installation of the poured-in-place playground surfacing

1.4 Quality Assurance: The manufacturer shall have installed poured in place rubber surfacing for playgrounds for a minimum of Five years collectively in the province of British Columbia. Manufacturer shall provide Two (2) BC playground installation references. Manufacturer shall supply fall height data according to ASTM 1292 & or CAS Z614, and all installations shall be done by manufacturer certified technicians, under the guidance of our PM who is Canadian Playground Safety Institute (CPSI) certified inspector.

1.5 Installers: Rubber surfacing installer shall be a Canadian Certified Playground Inspector (CCPI) and be present on site at time of installation of the fall protection layer.

1.6 Base layer: Is from 3/8 road crush compacted to 95%+/- proctor, to receive the recycled rubber base layer.

2.0 Submittals

2.1 Manufacturer product literature, installation specifications, fall height testing, and MSDS Sheets

3.0 Products

3.1 Product: **SafeZone**

3.2 Manufacturer: Kelowna Safety Surfacing, Kelowna BC, 778 581 2761

3.3 Description: A rubberized safety surface, which consists of a permeable base layer and a wearing course. The base layer is composed of recycled rubber and the wearing course is composed of 1-3mm rubber (EPDM) granules. Both the base layer and the wearing course are bound together by a 100% MDI moisture cured polyurethane binder.

3.4 Materials: SafeZone is manufactured from SBR and EPDM rubber, which is mixed with 100% MDI moisture cured polyurethane binder.

3.5 Base layer: Is from 3/8 road crush compacted to 95%+/- proctor, to receive the recycled rubber base layer for playgrounds.

4.0 Installation

4.1 Base layer: Recycled rubber is mixed in a mechanical mixer with the polyurethane binder. The mixing ratio of binder to rubber is to 14% by weight. The mixed product is then trowled to depth (thickness of rubber will depend on fall height requirements) on a prepared sub-base.

4.2 Wearing Course: Rubber granules are mixed in a mechanical mixer with the binder. The mixing ratio of binder to rubber is to 20% by weight. The mixed product is trowled on top of the base mat, which has been primed with a 2-1 binder-acetone mixer, to a depth of 12mm. Colour choices and blend ratios to be selected by the Owner.

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4.3 Quality Control: The surface level shall not vary more than 5mm over 3m and the rubber blend shall be even and consistent.

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5.0 Warranty & Maintenance

5.1 Environment and Sustainability:

Base layer is to be recycle tires (SBR) sourced from a BC provider (Western Rubber) if Granted project, if not granted then KSS is free to source other suppliers.

5.2 Ease of Maintenance and Ability to Patch / Repair:

Kelowna Safety Surfacing is offering a patch / repair program for KSS installed playgrounds for a **(10 year)** period, that is no charge to the owner. on the product, only travel cost to the location.

Maintenance for the system is simply a hose down as required, it is recommended that a high-pressure hose is not used closer than 24 inches at a 2200 psi as there may be a potential damage occurred any closer.

If blow out was to occur due to high-pressure hose this would not be considered a warranty issue and depending upon the severity of the damage, it may or may not fall under maintenance repair program.

5.3 Top-Coat Program:

Please note that KSS recommends that a top-coat roll be done at about the 7 to 8 year mark to extend the life of the surface, this is **NOT** part of the patch & repair program, but if the ownership would like to pre-purchase this program we would offer that at time of contract for ½ price on today's pricing. Cost is calculated on square footage and material cost.

5.4 Surface Quality and Warranty:

Kelowna Safety Surfacing will warranty the surface for a **(5 year)** term against delaminating, premature wear, and colorfastness. Kelowna Safety Surfacing will not warranty anything that is deemed to be abuse or normal wear and tear. Kelowna Safety Surfacing will keep the blend record on file indefinitely and offer a repair KSS installed playground program for **(10 years)** at no charge on material only travel costs (see previous section).

Kelowna Safety Surfacing is one of a few companies in Western Canada that owns a TRAIX impact testing machine, we are including a yearly testing at no charge for **(5 years)**. Notable; (We charge this out at a \$1,000.00 per day consulting fee and all travel expenses.)

MSDS Sheets to available upon request.

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