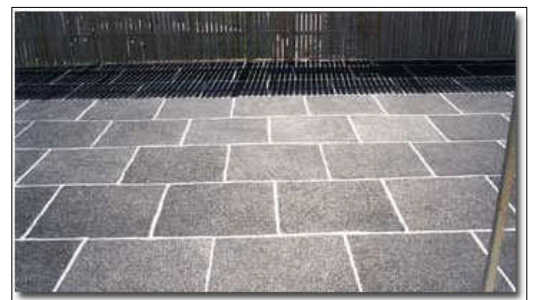
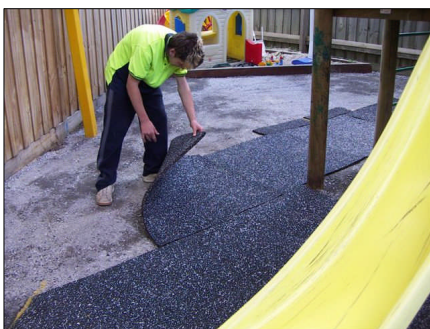


PLAYGROUND SAFETY

The objective of the Australian Standard 4422:1996 is to minimise the severity of head injury resulting from a fall. The standard gives a method of test by which impact energy attenuation can be determined on surfacing products.

The Australian Standard AS/NZS 4422:1996 specifies testing requirements to determine the critical fall height for playground safety surfaces. The critical fall height is determined by dropping an instrumented head form from various heights onto the surface and measuring the acceleration due to the impact. Heights tested include those which produce measurements that satisfy the relevant criterion and those which exceed the relevant criterion.

A range of Repeat Rubber Safety Surfacing Systems at various thickness' have been laboratory tested by MECHTEST and on-site tested by Consulting Co-Ordination on test specimens as required by the Australian Standard.



SOFTFALL REBOUND REDUCTION UNDERLAY

With the increasing demand for low spring energy playground underlay's to counter long-bone injuries comes increased scrutiny of the composite materials used to achieve the desired results. Repeat Rubbers Soft Fall Low Rebound Shock pad Underlay's use a patent pending 70/30 ratio hybrid mix of 4 mesh rubber buffing (recycled rubber) and granulated expanded polystyrene beads. Use of this product increases the time duration during an impact event to reduce the rebound velocity or impulse forces thereby reducing the energy wave's that enter and are normally dissipated by a child's bones. The size and type of the polystyrene bead used to ensure 100% memory over time in the underlay is critical as soft large cells (typically used in bean bags) are not suitable. The size and type used in our underlay products is high density 4mm and less granules (half that of bean bags) which are encapsulated in a flexible polyurethane outer coating which ensures 100% memory from impact over time. The durable encapsulation membrane protects the poly beads from degradation and vermin attack. Another important specification in the hybrid underlay is the percentage of polystyrene to rubber used. Using 30% polystyrene to 70% rubber ensures each polystyrene granule is sufficiently suspended throughout the fibrous rubber particles to ensure 100% structural support during repetitive impact events over time.



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