



**No Fault Safety Surface**  
**CONCRETE/ASPHALT BASE REQUIREMENTS**

Rev 2010

1. **DEPTH**  
4" minimum thickness
2. **SLOPE**  
Concrete shall maintain a slope of 1% or no less than 1" in 10' in any one given direction towards drains or to the outside perimeter of the playground. Base must exhibit positive drainage.
3. **TOLERANCE**  
Concrete must maintain a tolerance of 1/8" in 10' to avoid low areas that will hold water under the surface. The slab contractor shall be responsible for flooding all slabs to insure proper slope and tolerance and to avoid delay charges. Any areas holding enough water to cover a flat nickel shall be patched prior to arrival of installation crews.
4. **CURING**  
All new concrete slabs must cure for a minimum of seven (7) days prior to installation of surfacing. Cure time for asphalt is fourteen (14) days. *After asphalt has cured, it must be pressured washed prior to receiving the surface.*
5. **DRAINAGE**  
Drainage at the low end of your concrete slab is of utmost importance. Any brick walls or curbs at the low end of the slab shall have drainage access through weepholes. Weepholes shall extend a minimum of 2" above top of concrete slab and a minimum of 1/8" below top of concrete slab, the surface is porous and water drains immediately through it. Weepholes shall be 2" high and 3" wide and shall be installed every three (3) feet. If weepholes are smaller than the recommended size, they shall be installed every 18".
6. **DRAINS**  
Floor drains should be located outside of required fall zone areas to avoid having the surface installed over the drains. However, the surface can be applied over the drains if absolutely necessary. Recommended locations for drains are under play unit or against low-end wall or curb.
7. **FINISH**  
Concrete should be finished with a medium broom finish.
8. **SCHEDULE**  
It shall be necessary for all work in and around the concrete base to be completed prior to the arrival of installation crews - including playground equipment, fencing, tile/pavers, walls, etc. If you anticipate any delays in preparation of the area to be surfaced, please notify No Fault Sport Group in writing at least ten (10) days prior to our scheduled arrival.
9. **EQUIPMENT**  
No equipment is to be installed directly on the surface.
10. **PERIMETER EDGE**  
See detail sheets for perimeter edge requirements. NOTE: If over asphalt, No Fault recommends a keyway cut to be done to the surface. See your dealer for further details.

NOTE: Although No Fault Sport Group shall advise owner and/or prime contractor if a deficiency in work-by-others is discovered, No Fault accepts no responsibility for work-by-others. It is the owner and/or prime contractor's responsibility to ensure the accuracy of work not executed by No Fault Sport Group. Prime Contractor and Owner agree to release No Fault Sport Group from responsibility to repair defects that are the result of defects in the base/subgrade.

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**NO FAULT™ SAFETY SURFACE**  
**NO FAULT™ SAFETY TILES**  
**NO FAULT™ RUBBER MULCH**  
**NO FAULT™ RUBBER MULCH (PIP)**  
**NO FAULT™ SPORT FLOOR**

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**No Fault Safety Surface**  
**COMPACTED STONE BASE REQUIREMENTS**

Rev 2007

1. **DEPTH**  
4" minimum thickness - to be determined by local soil conditions.
2. **SLOPE**  
Stone elevation shall maintain slope to drains or toward low end. Base must exhibit positive drainage in all areas.
3. **COMPACTION**  
Density requirement is 90% compaction with final condition of stone as level and stable so as not to shift when traveled on or during surface installation process. *A compaction test is required and must be submitted to No Fault Sport Group prior to installation.*
4. **POROSITY**  
Stone base course shall maintain porosity for direct drainage. Care must be taken not to choke off porosity.
5. **ENCLOSURE**  
Stone base course shall be surrounded by a retaining curb.  
Example #1: For a 2" system, top-of-curb elevation shall be 2" above top-of-compacted stone elevation.  
**NOTE:** As the No Fault Safety Surface depth changes, so shall the difference between top of curb and top of compacted stone.  
Example #2: **NOTE:** If the No Fault Safety Surface is to cover the retaining curb, the compacted stone base shall be flush/even with the top of the curb.
6. **DRAINAGE**  
Subsurface drainage is recommended under and around a stone base. Perforated pipe or similar system is acceptable. Positive drainage in all areas is required.
7. **STONE SELECTION** (It is critical that the use of different stone sizes described below is strictly adhered to).  
Stone shall be uniformly mixed in an approving pugmill or on a mixing table or by other mechanical means (such as quarry blending operations) prior to placement on the subgrade. Test samples will be taken after mixing, and the material shall conform to specified requirements prior to placement on the subgrade. The material shall be wetted during mixing operations if necessary for proper blending.

<b><u>STONE GRADATION</u></b>	<b><u>U.S. Sieve</u></b>	<b><u>Percent Passing</u></b>
	1"	100
	3/4"	90 - 100
	No. 4	35 - 60
	No. 30	10 - 30
	No. 200	2 - 9

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