



NEW CONCRETE REQUIREMENTS

updated 1.2.23

300/400 Series

Heavy duty Puma-CRETE urethane mortars/slurries

POURING

1. Protect drains during concrete pour. Remove the protection after completion of concrete pour. (PumaCRETE applicator shall re-apply new protection when starting work).
2. Concrete should be poured ¼" below drains, to allow for new ¼ inch floor.
3. Medium **broom finish**.
4. Fibermesh recommended but not required
5. HRWR or MRWR (chemical water reducers) are acceptable, but not required (*unless floor must be overlaid in less than 28 days*).
6. Use a **dissipating curing compound**, so that it leaves no film (if not wet cured).

CURING TIME

STANDARD CONCRETE MIX CURING

28 days cure is the standard cure time for PumaCRETE 300 series systems. PumaCRETE may be applied over standard mix 10 day old concrete; however, with less than 28 days day cure, 300 series PumaCRETE shall require a primer coat of 401-TF shall be required, prior to application of the main flooring system (to prevent pinholes from outgassing of the new concrete).

SPECIAL CONCRETE MIX FOR 3-5 DAY CURE

For faster turnaround over new concrete, use the following mix:

- 5,000 psi mix
- 1.5# fibermesh per yard (reduces cracking)
- MRWR or HRWR- water reducer.
- Slump - maximum 6.0

SLOPING/DRAINAGE

PumaCRETE flooring follows the slope/contour of the new slab.

NEW CONCRETE - SLOPING RATES		
% slope	in/ft slope	Sloping Effect for 300/400 Series ¼" PumaCRETE Flooring
0	0"	No Fluid Flow
1	1/8"	Fluid flows to drain with some assistance required. (puddles will be < thickness of quarter.)
1.5	3/16"	Fluid flows to drains 100%, with no assistance.
2	1/4"	Complete fluid flow, with no assistance (note: may be an issue for carts, wheeled machines)

RETROFIT SLOPING PROJECTS *(Which are to receive a PumaCRETE sloped underlayment).*

For proper sloping and compatibility, pour concrete with 1-inch recess at new drains.