



JOB SAFETY ANALYSIS

Activity Name: Autoclave Expansion of Portland Cement			Activity Number: ASTM C151		
Activity Description & Purpose: Determination of the autoclave expansion of portland cement by means of a test on a neat cement paste.					
Date Prepared:			PPE Required		
Typical Equipment		Typical Crew Size:	Typical Material		1- Hard toe boots 2- Heat resistant gloves 3. Eye protection
Description	Class Code		Description	Class Code	
See associated test procedure		(Crew sizes may vary due to different conditions throughout the state).	Portland Cement		
		2	Water		
Sequence of Job Tasks	Potential Hazards	Safe Job Procedures		Never	
1- Mix cement paste	1- Hand injury				
2- Mold specimen	1- Foot injury	1- Wear hard toe boots			
3- Demold specimen	1- Foot injury	1- Wear hard toe boots			
4- Run specimen in autoclave	1- Burn injury 2- Explosion Injury	1- Wear heat resistant gloves 2- Wear eye protection			
5- Remove specimin from autoclave	1- Burn injury	1- Wear heat resistant gloves 2- Wear eye protection 3. Wear eye protection			
6- Determine specimin length					



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