











Epoxy Grout vs Chocks Material Characteristics			
CHARACTERISTICS	EPOXY GROUT	EPOXY CHOCKS	
Material Consists	Resin, hardener and 4 to 5	Resin and hardener	
of	large bags of aggregate		
Pour Restrictions	Up to 2 M x 2 M x 45 cm	Up to 75 cm x 45 cm x 7 cm	
Exothermic Temp.	50°C	90°C	
Consistency	Lumpy Oatmeal	Thick, heavy oil	
Flowability	Fair to Poor	Fair to Good	
Working Time	1 to 4 hours	15 to 40 minutes	
Cure	Cool and slow – 24 to 48	Hot and fast – 24 hours	
	hours		
Damming Material	Wood with 100 to 150 mm	Metal with 18 mm wide	
	overpours on all 4 sides	overpours on 2 sides only	

Epoxy Grout vs Chocks Physical Properties			
CHARACTERISTICS	EPOXY GROUT	EPOXY CHOCKS	
Compressive Strength	79 to 125 MPa	130 to 170 MPa	
Modulus of Elasticity	12 to 20 GPa	2.5 to 6 GPa	
Tensile Strength	11 to 20 MPa	34 to 46 MPa	
Creep	0.004%	0.02%	
Coefficient of Thermal Expansion	19 34 x 10 <sup>-6</sup> cm/cm/°C	30 to 48 x 10 <sup>-6</sup> cm/cm/°C	
Shrinkage	0.0005%	0.0002%	
Coefficient of Friction	0.125 to 0.5	0.5 to 0.7	
Adhesion to Substrate	Yes to concrete & steel	No to steel, Yes to	
Desirable		concrete & grout	
EFRC Conference T	raining	September 10, 2014	





































