Dura Slag

Technical Data Sheet

General Overview:

Dura Slag is a slag cement or a ground granulated blast furnace slag, which has hydraulic cement properties. Using slag cement as replacement for a portion of the Portland cement can enhance plastic and hardened properties of concrete. Dura Slag meets specification in ASTM C989 Grade 120 and AASHTO T302.

Increased Concrete Durability

Dura Slag increases concrete durability by making concrete less permeable. It can assist in mitigating the effects of ASR (Alkali Silica Reactivity.) In addition, slag increases the long-term strength gain of concrete

- Aids workability and enhances finishing
- No air entrainment compatibility issues
- Increases albedo
- Enhances color brilliance
- Consistent chemistry
- Lower heat of hydration for mass concrete



Parameter	ASTM Specs.	Reported
Chemical Properties (Sulfide Sulfur as S, %)	2.5 max.	0.8
Physical Properties Specific Gravity	---	2.89
Fineness 325 sieves, % retained	20 max.	3.9
Blaine fineness	N/A	410
Air in Mortar Air Content %	12 max.	6.3
Strength Activity Index Grade 120 % of Control 28 Days	115 min.	125
Enhanced Concrete Properties – Mortar Expansion at 45% Dura Slag ASTM C1567 14 Days, % Expansion	0.10 max.	0.06
Rapid Chloride Permeability ASTM C1202 @ 56 Days Control (cement only) In Coulombs	---	2689
25 % Dura Slag		1460

Specifications

ASTM C989 Grade 120
AASHTO M 302 Grade 120

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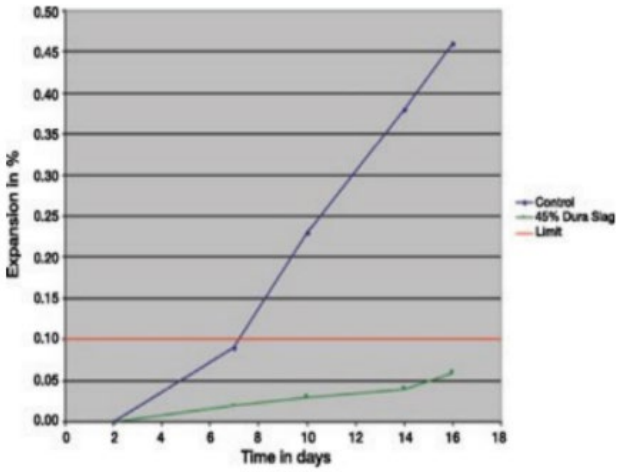
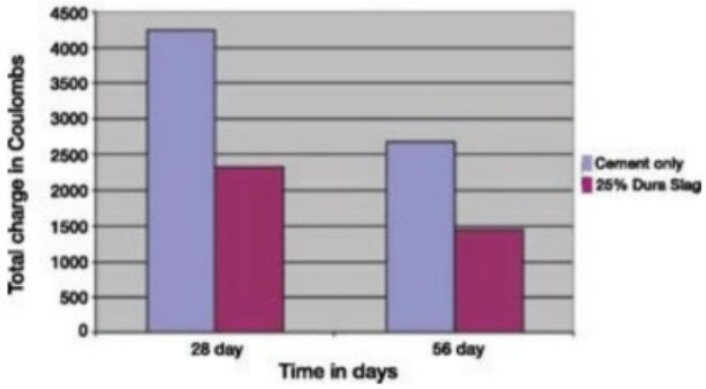
C1260/C1567 MORTOR EXPANSION



ASTM C1202 RAPID CHLORIDE PERMEABILITY WITH DURA SLAG



Safety Precautions

Shotcrete contains Portland cement, silica fume and other carefully selected additives. Normal safety wear such as rubber gloves, dust masks and safety glasses used to handle conventional cement-based products should be worn. Safety Data Sheets (SDS) are available upon request.

Website

For more information about Multicrete Group and all our related products visit us at https://multicretesystems.com/ or call us at (204) 262-5900

A CRH COMPANY

REFERENCES

Ash Grove Dura Slag (DURA SLAG®) TECHNICAL DATA SHEET & SAFETY DATA SHEET