

KCAST BKR

KCAST BKR is a **H**ighly **A**brasion **R**esistant **D**ense **C**astable designed to give Super high erosion resistance and strength at both low (ambient) and high (Up to 1600°C) temperatures. It is easily installed with minimum vibration and hardens within two hours. Steel fibres can be added to give extra flexural strength and crack stopping properties.

RESCOS' EXPERTISE ;

Resco Products has been producing Dense Abrasion Resistant products for over 50 years. These have been used all over the world in critical applications as diverse as Cyclones in Petrochemical Plants and ladles for Steel Plants. The technology and expertise gained from these high temperature environments is readily adaptable to applications where Refractoriness is not an important consideration. Thus Resco can now offer products which develop Super High Abrasion Resistance at room (ambient) temperatures.

RESCOS' QUALITY ;

Rescos' Quality Assurance System (ISO 9001; 2000 approved) ensures that all products meet strict Quality Standards at all times. Preshipment Testing for Abrasion Resistance, Cold Crushing Strength, and Bulk Density is carried out on every pallet of Rescocast material produced.

PHYSICAL TEST DATA

Below is typical data for KCAST BKR. Data is based on Cast samples which have been allowed to air-dry at room temperature for 48 hours. Samples are cast without the addition of Steel fibres. Physical data will increase further as material bond increases with time.

<u>Maximum Service Temperature</u>	:	1600°C
<u>Water Addition</u>	:	3.8 - 4.5 % By Weight
<u>Abrasion Resistance (ASTM C704)</u>	:	Less than 4.0 cm ³
(Figures represent the volume of material abraded away in a Std ASTM C704 Test)		
<u>Cold Crushing Strength (ASTM C133)</u>	:	130 - 170 MPa
<u>Bulk Density (ASTM C134)</u>	:	2835 - 2930 Kg/cm ³
<u>Modulus of Rupture (ASTM C133)</u>	:	25 - 35 Mpa

Packaging : KCAST BKR is packed in 25kg sacks on 4WE Export Pallets. All pallets are shrinkwrapped . Typical shelf-life when stored in perfectly dry conditions is 12 months.

TYPICAL CHEMICAL ANALYSIS (%)

Al₂O₃	SiO₂	Fe₂O₃	CaO	MgO	TiO₂	AlK
77.5	13.0	1.4	6.5	---	1.4	0.2

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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