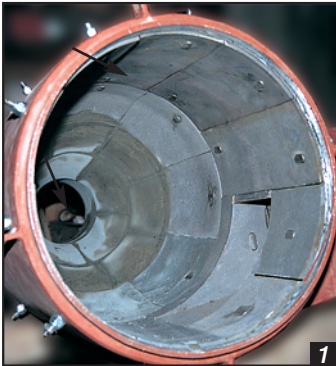


KALCAST® Hard Castings

**Ideal Solution for Impact
and Sliding Abrasion**

KALCAST®
Hard Castings



1. Cyclone used in a soil decontamination system
2. Components made of KALCAST hard casting are offered in various alloys
3. Paddles made of KALCAST installed in a gravel washing unit

KALCAST® is a family of hard castings with a range of wear resistant properties. The linings are tailored to handle the specific combination of impact wear and sliding abrasion for each application.

- Variety of alloys available
- Can be used up to temperatures of 350°C/662°F
- Standard dimension up to 300 mm x 300 mm
- High impact resistance combined with good abrasion resistance or
- High abrasion resistance combined with good impact resistance
- Cylindrical linings from 40mm to 800mm diameter
- Complicated geometrical shapes feasible
- Wall thickness between 15 mm and 70 mm

KALCAST® Hard Castings

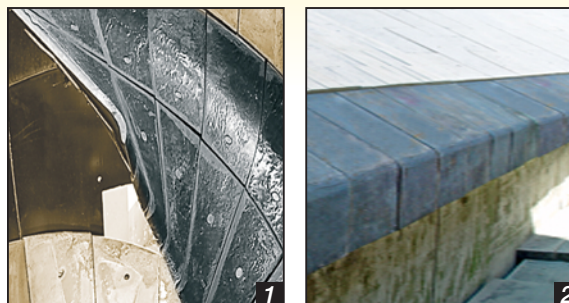
KALCAST® is the Optimal Problem Solution for a Wide Range of Applications

Kalenborn Abresist can:

- Apply KALCAST to existing components
- Incorporate linings in new re-engineered parts
- Supply complete fabrication

KALCAST is ideal for:

- Floors of concrete mixers
- Pump housings
- Linings for roller mills
- Mixer blades
- Mill linings
- Chute linings, straight and spiral



1. Shaft spiral used for hard coal mining and fitted with time-tested KALC2DE lining
 2. A coke ramp protected by KALC2DE in combination with silicon carbide ceramics KALSICA® and hard ceramics KALCERAM®-K

KALCAST Properties									
KALCAST	Chemical Composition in%					Hardness HV	Max. application- temp. °C/°F	Resistant Against	
	C	CR	Mo	Mn	Fe			abrasion	impact
C 101	1.2	—	—	13	82	580*	300/572	x	xx
C 153	3	16	1	—	78	620	350/662	xx	x
C 155	3	20	2	—	70	700	350/662	xxx	x

*work-hardened

Fastening systems for KALCAST
 The standard fastening systems for KALCAST are of mechanical type. These include threaded conical screws made of KALCAST. The cast shaped elements may also be installed with the aid of adhesives based on resin or minerals as well as by means of heat and acid-resistant cements.

Call on Kalenborn Abresist Corporation for help handling:

- Bottom and fly ash
- Ore
- Coal/coke
- Iron oxide
- Dried sewage fertilizer
- Cement/clinker
- Grain
- Carbon
- Limestone
- Sand
- Glass/cullet
- Hog fuel/woodchips
- Fastening Systems



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