

Dialen®

Bulk material made by UHMW-PE, perfect for abrasive use.

- DIALEN® MR opal green
- DIALEN® MR black AST
- DIALEN® MR natural

Properties

- High wear resistance
- Very good slide properties
- High toughness
- Good anti-adhesion properties
- Good resistance to chemicals
- No moisture absorption
- High acoustic insulation
- Environmentally friendly
- Either electrically isolating, dissipative, or electroconductive
- Compliant with ATEX 95
- Compliance with European guidelines for use in the food sector and with U.S. FDA directives

	Dialen® MR opal green, natural	Dialen® MR black AST
Abrasion resistance (Sand-Slurry-Test) %	80	80
Charpy impact strength (ISO 179) kJ/m ²	≥170	≥170
Slide properties	++	++
Resistance to chemicals	+	+
Dissipative	-	+
Sheet group	1.1	1.1

Sustainability for the environment

Sustainability is an often abused term. Murdotec has decided to do a little less talking in the interests of a little more action:

- collecting and storing of pieces and shavings that accumulate during cutting and subsequent further processing.
- staying well below the specified limits of emission values with continuous maintenance, monitoring and renewal.
- targeted environmental and energy management.



Murdotec
Kunststoffe

DIALEN® –
SOLUTIONS FOR
BULK MATERIALS

Murdotec
Kunststoffe

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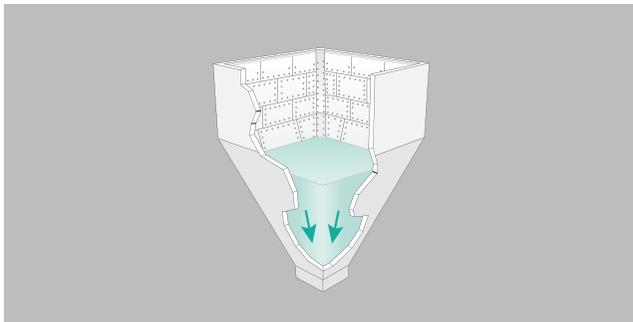
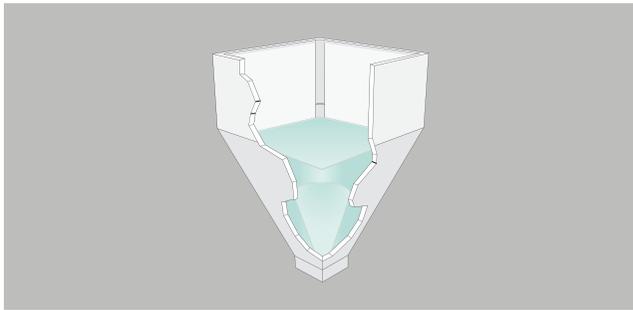
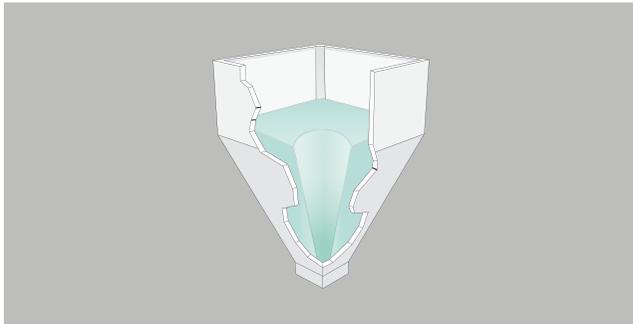


Smooth material flow, thanks to Dialen®

Material flow failures, like funnel flow and bridging in bunkers, silos and hoppers as well as sticking in chutes leads to reduced unit output and in extreme cases to material standstill.

Material flow failures in bulk material processing plants mainly occur due to the following factors:

- wall friction angle is too steep
- adhesion/sticking
- increased friction due to corrosion



Fields of application

- Mining
- Transportation
- Agriculture, animal food, grain
- Food industries
- Cement industries
- Power plant



Applications

- Feed Hoppers
- Runouts
- Bunkers
- Railroad cars
- Wheel loaders
- Silos
- Excavators

Sheet sizes

Sheet sizes made of 4 × 2 m

Thickness: 8 – 130 mm/standard formats



4080 × 2005 mm



4080 × 1005 mm

3060 × 1005 mm | 2005 × 1020 mm



2005 × 1335 mm

2005 × 1020 mm

Sheet sizes made of 6 × 2,5 m

Thickness: 8 – 80 mm/XXL-formats



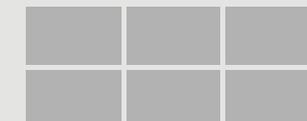
6100 × 2505 mm



6100 × 1250 mm



3060 × 1250 mm



2005 × 1250 mm



2505 × 1010 mm