

# Steelplast CC

## Engineering Plastics



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### Introduction:

Our German Manufactured Outrigger pads have been used successfully for years to provide mobile cranes with sure footing on site. Not only do they prevent the vehicle from slipping, they also avoid it from sinking into a softer ground that needs to be protected. The pads are available in many sizes and designs for different applications in various sectors.

### Our products offer many advantages:

- o Easy to mount
- o Compact
- o Extreme stability
- o No moisture absorption
- o Easy to clean
- o Engraving upon request
- o Very durable

### Properties:

- o Lightweight, with rope handle
- o Compact
- o Extremely durable
- o Easy to stack & store
- o Unbreakable

### Applications:

- o Mobile cranes
- o Rigging cranes
- o Loading cranes
- o Concrete pumps
- o Scaffolding work
- o Camping vehicles



Specializing in the supply of all Engineering plastic sheets, rods and tubes. •UHMW-PE  
•HDPE •Nylon •Ertalyte (PET) •Ertacetal (POM) •Polypropylene •PTFE •Repro PE  
•Lining Materials for Chutes, Silo's & Bunkers

# Outrigger Pads



## TECHNICAL DATA SHEET ON MATERIAL [CONFETTI]

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**Standard colour(s):** multicolour  
**Special colour(s):** –  
**Fields of application:**

- transport and conveyor systems
- production of prefabricated concrete components
- harbour construction
- coal-fired power stations
- bunker linings

**Properties:**

- good value for money
- low abrasion
- good sliding properties
- good mechanical properties

Material designation		A4° G	
Raw material	PE-UHMW		
Material colour(s)	multicolour		
Properties	Unit	Test method	Value
Molecular weight (average molar mass)	g/mol		
Mechanical properties			
Density	g/cm <sup>3</sup>	DIN 53479	0,95
Tensile strength	N/mm <sup>2</sup>	DIN 53455	18
Shore D hardness, 15s - Value	Skala D	DIN 53505	64 – 68
Ball indentation hardness, 30s - Value	N/mm <sup>2</sup>	DIN ISO 2039 Part 1	40
Ultimate tensile strength	N/mm <sup>2</sup>	DIN 53455	37
Elongation at break	%	DIN ISO / R 527	max. 200
Modulus of elasticity	N/mm <sup>2</sup>	DIN 53457	900
Notched impact strength (Charpy)	kJ/m <sup>2</sup>	DIN 53453	> 30 – 110
Abrasion	%	Sand slurry method	~ 150
Coefficient of friction	μ		0,1 – 0,2

Thermal properties			
Dimensional stability under heat	°C	DIN 53461	47
Vicat softening temperature	°C	DIN 53460	79
Crystalline melting range	°C	DTA	130 – 135
Thermal conductivity at 23 °C	W/ (K * m)		0,42
Specific heat at 23 °C	kJ/ (K * Kg)		1,8
Coefficient of linear expansion at 23 °C	10 <sup>-5</sup> * (1/K)	DIN ISO 11359	20
Fire behaviour		UL 94	HB
Application temperature (min.)	°C		- 200
Application temperature (constant)	°C		+ 80
Moisture absorption	%		< 0,01

Electrical properties			
Specific volume resistance	Ω * cm	IEC 60093	≥ 10 <sup>15</sup>
Surface resistance	Ω	IEC 60093	≥ 10 <sup>13</sup>
Dielectric strength	kV/mm	IEC 60243	40

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