

**TECHNICAL DATA SHEET**

Environmental Grout &  
Sealant

# PDSCo PLUG TR30/60

## COATED BENTONITE CHIPS

**DESCRIPTION**

**PDSCo Plug TR30/60** is a high quality western bentonite chip with a biodegradable non-sticking coating. Available in 0.64 cm (Fine), 0.96 cm (Medium), and 1.26 cm (Coarse) sizes. Packaged in 50 lb polyethylene bags.

**ADVANTAGES**

1. Chips can be poured through standing water without sticking together, eliminating void and bridging.
2. Non-toxic and non-polluting.
3. Do not disintegrate upon swelling; seal are tough but flexible, and do not crack when subjected to movement.

**RECOMMENDED USAGE**

**Sealing Casing**

Slowly pour **PDSCo Plug TR30/60** into annulus and allow to drop to gravel pack. Grouting, pour **PDSCo Plug TR30/60** directly into annulus alternating from one side of the casing to the other. This aids in an even distribution of product around the casing.

**Hole Abandonment**

Slowly pour **PDSCo Plug TR30/60** into hole. Use Fine for very small spaces, Medium for holes less the 7.5 cm in diameter, and Course for larger holes. Fill hole to 3-5 feet of surface and apply cement plug or fill with native soil as regulation dictates.

**Flowing Holes**

Where water production is not desired and flow velocities are not severe, pour **PDSCo Plug TR30/60** into hole filling bottom to top.

**SIZE DISTRIBUTION**

Fine	100% particles pass 6.4 mm screen, retained on 2.36 mm
Medium	100% particles pass 9.5 mm screen, retained on 6.4 mm
Coarse	100% particles pass 12.6 mm screen, retained on 9.5 mm

**TYPICAL CHEMICAL ANALYSIS**

SiO <sub>2</sub>	64.06	%
Al <sub>2</sub> O <sub>3</sub>	20.14	%
Fe <sub>2</sub> O <sub>3</sub>	6.12	%
CaO	1.39	%
MgO	4.18	%
Na <sub>2</sub> O	3.01	%
K <sub>2</sub> O	0.57	%
TiO <sub>2</sub>	0.37	%
P <sub>2</sub> O <sub>5</sub>	1.15	%

**SPECIFICATION**

<u>PROPERTY</u>	<u>TYPICAL ANALYSIS</u>
Moisture	8 - 15 %
pH	7.9 - 8.6 %
Volumetric Swell	8 - 15 %

**USAGE CHART**

Hole Diameter	2.5"	3.5"	4"	4.5"	5"	5.5	6"	6.5"	8"	10"
Lbs/Ft.	2.5#	5#	6.75#	8.5#	10.75#	12.5#	15.5#	20.5#	28#	41#
Ft. of Seal/Bag	20	10	7.5	5.75	5	5	3.25	2.5	1.75	1.25

**NOTE:** These are dry weights and volumes. In use, the swelling of the pellets will increase the length of the seal (depending on hole condition).

