

INDUSTRIAL FILTER SANDS AND GRAVELS

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PRODUCT

TARGET® Industrial Filter Sands and Gravels are materials processed in our Aldergrove plant to provide materials meeting the requirements of water filtration systems. Sands and gravels can be manufactured to meet individual project specifications.

USES AND ADVANTAGES

TARGET Industrial Filter Sands and Gravels are suitable for many rapid and slow filtration systems. The raw materials are dried to sterilize the particles before proceeding with the sizing process. With a wide range of screen sizes available in the screening plants, materials are sized to meet the effective size and uniformity coefficient specifications for individual projects. Rigorous quality control testing during production assures that the final products meet the requirements of the American Water Works Association Standard B100 for filtering material.

PHYSICAL PROPERTIES

Colour	Grey
Grain Shape	Sub-rounded
Bulk Density	Varies with particle size. Values are determined for individual projects if required. Typical values (based on 2000 lb per ton) are: Filter Sand 1.65 tons per cubic meter Fine Filter Gravels 1.69 tons per cubic meter Coarse Filter Gravels 1.75 tons per cubic meter
Hardness, Moh	6 - 6.5
Specific Gravity	>2.65
Moisture Content	0.1% weight
Acid Solubility	<5% weight

Typical size properties for filter sands vary with the type of filter and individual designer's requirements. For slow filtration systems, the commonly requested properties are Effective Size (d_{10}) 0.25 to 0.35 mm and Uniformity Coefficient (d_{60}/d_{10}) typically 2.5 maximum. Filter gravels are produced to meet project specific d_{10} values, with d_{90}/d_{10} ratios of 1.5 maximum or 2.0 maximum to suit project requirements.

PACKAGING

Filter sands and gravels are typically supplied in bulk bags. Other bag sizes and bulk deliveries are available upon request.

Product performance is affected by many factors, including storage, method and conditions of application and use. User testing is ESSENTIAL to determine suitability of product for intended method of application and use. Target's SOLE WARRANTY is that the product has been manufactured to specifications. No oral or written information or advice shall increase this warranty or create new warranties. Target's SOLE LIABILITY is to replace product proved defective. In no event shall Target be liable for any consequential, indirect or other damages whether arising from negligence or otherwise.

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CHEMICAL PROPERTIES

Mineral	% wt.	Chemical	% wt.
Quartz	60	Silica (SiO ₂)	68
Feldspar	20	Calcium (CaO)	4
Chlorite	10	Alumina (Al ₂ O ₃)	14
Iron Oxide	5	Iron (Fe ₂ O ₃)	5

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