

# SPECIFICATION

## PREMIUM ALLUVIAL mesh 80

### CHEMICAL ANALYSIS

Contents, %	GUARANTEED	TYPICAL
AL <sub>2</sub> O <sub>3</sub> +TiO <sub>2</sub> min	18,92	19,34
SiO <sub>2</sub> , max	37,04	36,88
Fe <sub>2</sub> O <sub>3</sub>	26,13	26,46
FeO	1,60	1,50
CaO	8,89	9,35
MgO	5,68	5,73
Moisture, max	0,5	0,2

### GRAIN PROPERTIES

Mesh	Sieve Aperture (microns)	Content %
+60	+250	23,52
+80	+180	57,77
+100	+150	18,71

### Storage and packaging

**Storage:**  
in closed containers or bags, protect from physical damage

**Terms of storage:**  
unlimited

**Shipment:**

- 25 kg bags;
- Soft containers (big bag) 1 t net.

### Physical description

**Appearance:**  
pink to red coloured sand with no odour free running sand

**Grain shape:**  
irregular angle, sharp edges

**Grain color:**  
pink (different tints), red

**Conductivity:**  
<25 mS/m



**PHYSICAL  
PROPERTIES**

<b>Specific Gravity:</b>	<b>3800 - 4100 kg/m<sup>3</sup></b>
<b>Bulk density:</b>	<b>1800 - 2000 kg/m<sup>3</sup></b>
<b>Grain size:</b>	<b>63 • 200 mkm</b>
<b>Flammable:</b>	<b>Nonflammable</b>
<b>Solubility in Water:</b>	<b>Insoluble</b>
<b>Angle of friction:</b>	<b>33°</b>
<b>Hardness:</b>	<b>7,5-8,0</b>
<b>Acid solubility</b>	<b>&lt; 1%</b>

**COMPOSITION  
ANALYSIS**

<b>Minerals</b>	<b>Content, %</b>
<b>Almandine Garnet:</b>	<b>&gt;97</b>
<b>Hornblende:</b>	<b>&lt;0,2</b>
<b>Ilmenite:</b>	<b>&lt; 1</b>
<b>Calcium Carbonate:</b>	<b>&lt;2</b>
<b>Zircon:</b>	<b>&lt;0,2</b>
<b>Quartz:</b>	<b>&lt;0,8</b>
<b>Silica</b>	<b>&lt; 1</b>

