

Characteristics:

Type	White fused mullite	
Colour	white	
Melting point	1860°C	
Linear expansion coefficient	5,0·10 <sup>-6</sup> /K (20-1000°C)	
Thermal conductivity	9 W/(m·K) (25°C)	
	5 W/(m·K) (1100°C)	

**TREIBACHER ALODUR® WFM** is a synthetic fused product based on  $\alpha$  - aluminium oxide and silica. It is produced in electric arc furnaces by electro thermal fusion at temperatures around 1860°C.

**TREIBACHER ALODUR® WFM**, white fused mullite, is a first quality refractory material, composed of massive crystals of mullite which are formed during cooling after fusion. It confers high melting point, excellent thermal expansion, high resistance to thermal shock and chemical corrosion at high temperatures.

Applications:

**TREIBACHER ALODUR® WFM** is used in refractories in the iron/steel and glass industries as well as in the linings of high temperature kilns and kiln furniture.

- Blocks for glass melting furnaces
- Monolithic refractories for steel casting ladles

Grits available:

**TREIBACHER ALODUR® WFM** is available in the below mentioned splits. Special sizes are also available on request.

Standard splits:

3 - 5 mm	0 - 0,7 mm	-200 mesh (0 - 0,08 mm)
1,5 - 3 mm	0 - 0,5 mm	-325 mesh (0 - 0,045 mm)
0,7 - 1,5 mm	0 - 0,15 mm	

Typical chemical analysis in wt.-%:

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	Na <sub>2</sub> O
76,0	23,5	0,05	0,02	0,02	0,2

Supplementary sheet:

Standard splits (other sizes upon request):

Grit mm	SIEVE ANALYSIS						
3 - 5	Sieve mm	6,700	5,000	4,000	3,150	Pan	
	Residue %	0,5 max.	10 max.	25 - 40	50 - 70	20 max.	
1,5 - 3	Sieve mm	4,000	3,150	2,500	1,600	Pan	
	Residue %	0,5 max.	10 max.	20 - 45	45 - 65	12 max.	
0,7 - 1,5	Sieve mm	2,500	1,600	1,000	0,710	Pan	
	Residue %	0,5 max.	12 max.	50 - 65	20 - 35	10 max.	
0 - 0,7	Sieve mm	1,000	0,710	0,500	0,250	0,150	Pan
	Residue %	0,5 max.	10 max.	15 - 35	25 - 40	10 - 20	15 - 25
0 - 0,5	Sieve mm	0,710	0,500	0,250	0,150	Pan	
	Residue %	0,5 max.	10 max.	25 - 50	15 - 30	25 - 50	
0 - 0,15	Sieve mm	0,250	0,150	0,125	0,075	0,053	Pan
	Residue %	0,5 max.	10 max.	-	8 min.	-	45 - 72
-200 mesh	Sieve mm	0,250	0,150	0,125	0,075	0,053	Pan
	Residue %	0	0,5 max.	-	10 max.	-	75-90
-325 mesh	Sieve mm	0,125	0,045	Pan			
	Residue %	0,5 max.	10 max.	90 min.			