

<b>HUANGHE MINERALS CO.,LIMITED</b>		Version: 2020
<b>PRODUCTS SPECIFICATION</b>		Code: M/P/QA
Product	Fused Mullite /Zircon Mullite/Zircon Corundum	Origin: China / Henan

Code	FMUL70A Fused Mullite	FMUL70B Fused B mullite	FZC fused Zircon corundum		FZM fused Zircon mullite	FZRD 90 (disilicate)
<b>Chemical property</b>			<b>FAZ-25</b>	<b>FAZ30</b>		
Al2O3	70-77 76	68-70	72-74	67-69	44-48	7
SiO2	22-29 23	22-29	0.5	0.5	16-20	3
Fe2O3	0.10	0.5	0.15	0.15	0.3	0.2
R2O	0.4	0.3			0.3	--
CaO	0.3	0.5	0.3		0.3	
MgO						
TiO2	Nil	3	0.1		0.1	0.3
ZrO2+HfO2	Nil	Nil	24-26	29-31	33-39	90
<b>Physical property</b>						
Refractoriness	1900C	1850	2050		1950	2400C
AP	3	3	4	4	3	
Particle BD	3.03 g/cc	3.0g/cc	4.30g/cc	4.30g/cc	3.65g/cc	5.26
Liner Expend co-eff	-6x10 <sup>-6</sup>	-6x10 <sup>-6</sup>				
Appearance	White needle crystal	Brown needle crystal	Yellowish brown crystal		Brown, yellow need crystal	Yellow bubble
<b>Mineralogy</b>						
Glass phase	<4	5-10			<5	
Mullite phase	>96	90-95			50-55	3
Indined ZrSiO4	--		25-40	35-50	30-35	95
Corundum	--		55-70	50-65	<5	
<b>Application and description</b>						
Size	<ul style="list-style-type: none"> <li>grains like 0-1/1-3/3-6mm, 6x14mesh, 14x28mesh, 28x40mesh, -40mesh apply ISO, JIS, DIN, ASTM standard</li> <li>Raymond milled powder -200mesh, -300mesh</li> </ul>					
Pack	In 1000kg/1250kg/1350kgbag / 25kg bags in big bag / 25kg bags on pallets shrink-wrapped					
Application	High refractoriness, thermal shock resistance, good thermal stability, excellent chemical corrosion, applied in Glass industry, iron-steel Industry, kiln furniture, kiln lining.	Al-Zr-C slide plate bricks, long life than AL-ZR-SI-C plate. Also used in abrasive industries.	Used in both Steel and glass industries due to erosion resistance, and low thermal Expansion.		Used to produce AZS, Or fused mullite and other refractory to improve the zirconia.	
Description	Pure silica sand+ pure alumina fused in EAF, low thermal expansion, high RUL, High refractory needle mullite crystal, Special bauxite fuse in EAF to get a high density, low expansion, anti-erosion mullite phase.	Use high pure Al2O3 and high pure ZrO2 (99%) fused in EAF,	Non-wetting nature, can contact molten glass and metals and slags without erosion, thermal shock resistance stops cracking		Zircon sand fused in electric furnace to disilicate get this bubble zirconia.	

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Contact: Max Hou (sales director) Tel: 86-22-23554891 Fax: 86-22-23554892

Website: [www.huangheminerals.com](http://www.huangheminerals.com) E-mail: [huangheti@hotmail.com](mailto:huangheti@hotmail.com)