

**DYCKERHOFF MIKRODUR® R-Type**  
 Technical Data Sheet

Product		R-F	R-U	R-X
Grain Density	[kg/dm <sup>3</sup> ]	~ 2,95	~ 2,95	~ 2,95
PSD d <sub>50</sub>	[µm]	< 5	< 3,5	< 2,5
PSDd <sub>95</sub>	[µm]	< 16	< 9,5	< 6
PSD d <sub>99</sub>	[µm]	< 20	< 15	< 10

**Properties of grout; w/c-ratio 1:1; 2 % Dispersing Agent; 20°C Temperature**

Density	[kg/dm <sup>3</sup> ]	~1,48	~1,48	~1,48
RunOut Time	[sec/dm <sup>3</sup> ]	~ 30	~ 31	~ 32
Bleeding, 2 hours	[Vol.-%]	~ 2	~ 2	~ 1
CS, 2 days	[MPa]	~ 3	~ 5	~ 7
CS, 7 days	[MPa]	~ 13	~ 17	~ 20
CS, 28 days	[MPa]	~ 20	~ 26	~ 29

**Compressive Strength of grouted sand columns; w/c-ratio of grout: 2:1;  
 10°C Temperature**

CS, 7 days	[MPa]	~ 1	~ 1,5	~ 2
CS, 28 days	[MPa]	~ 3	~ 5	~ 6

PSD: Particle Size Distribution

CS: Compressive Strength

Dispersing Agent: 40 % Naphtaleensulfonate Solution

Test performed according to "Instruction Leaflet for grouting works with microfine cements into soil"

Dyckerhof MIKRODUR-R is made of selected granulated blast furnace slag and Portland Cement as activator. The product show high resistance against chemical attack due to slag content of more than 80 %.

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