

POZNAN UNIVERSITY OF TECHNOLOGY INSTITUTE OF BUILDING ENGINEERING DIVISION OF BUILDING AND BUILDING MATERIALS



AGGREGATES: DETERMINATION OF BULK DENSITY

Aggre	egate I:		· · · · · · · · · · · · · · · · · · ·			·····
$ m N^{\circ}$	Mass of the measuring cylinder m ₁	Mass of the measuring cylinder with loose aggregate m ₂	Mass of the measuring cylinder with tapped aggregate m ₃	Volume of the measuring cylinder	Loose bulk density $\rho_L = \frac{m_2 - m_1}{V}$	Tapped bulk density $\rho_Z = \frac{m_3 - m_1}{V}$
	kg	kg	kg	dm ³	kg/dm ³	kg/dm ³
1.						
2.						
3.						
			Ari	thmetic mean:		
Aggre	egate II:					
N°	Mass of the measuring cylinder m ₁	Mass of the measuring cylinder with loose aggregate m_2	Mass of the measuring cylinder with tapped aggregate m ₃	Volume of the measuring cylinder	Loose bulk density $\rho_L = \frac{m_2 - m_1}{V}$	Tapped bulk density $\rho_Z = \frac{m_3 - m_1}{V}$
	kg	kg	kg	dm ³	kg/dm ³	kg/dm ³
1.						
2.						
3.						
		L	Ari	thmetic mean:		
Aggre	egate III:					
N°	Mass of the measuring cylinder m ₁	Mass of the measuring cylinder with loose aggregate m ₂	Mass of the measuring cylinder with tapped aggregate m ₃	Volume of the measuring cylinder	Loose bulk density $\rho_L = \frac{m_2 - m_1}{V}$	Tapped bulk density $\rho_Z = \frac{m_3 - m_1}{V}$
	kg	kg	kg	dm ³	kg/dm ³	kg/dm ³
1.						
2.						
	l	1	1			ì

Arithmetic mean: