

## 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 <sub>1</sub>	Mass of the measuring cylinder with loose aggregate m <sub>2</sub>	Mass of the measuring cylinder with tapped aggregate m <sub>3</sub>	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 <sup>3</sup>	kg/dm <sup>3</sup>	kg/dm <sup>3</sup>
1.						
2.						
3.						
			Ari	thmetic mean:		
Aggre	egate II:					
$N^{\circ}$	Mass of the measuring cylinder m <sub>1</sub>	Mass of the measuring cylinder with loose aggregate $m_2$	Mass of the measuring cylinder with tapped aggregate m <sub>3</sub>	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 <sup>3</sup>	kg/dm <sup>3</sup>	kg/dm <sup>3</sup>
1.						
2.						
3.						
		L	Ari	thmetic mean:		
Aggre	egate III:					
N°	Mass of the measuring cylinder m <sub>1</sub>	Mass of the measuring cylinder with loose aggregate m <sub>2</sub>	Mass of the measuring cylinder with tapped aggregate m <sub>3</sub>	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 <sup>3</sup>	kg/dm <sup>3</sup>	kg/dm <sup>3</sup>
1.						
2.						
	l	1	1			ì

Arithmetic mean: