

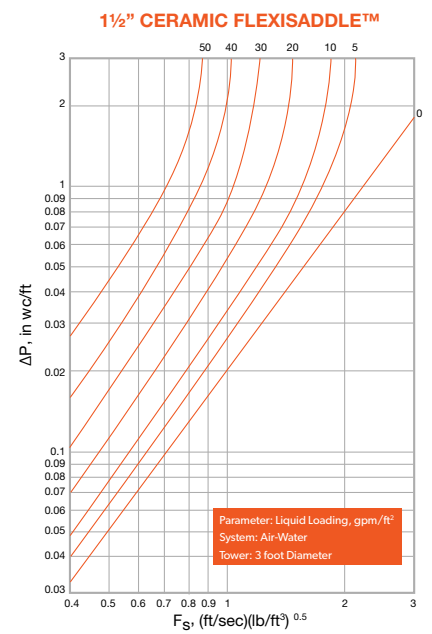
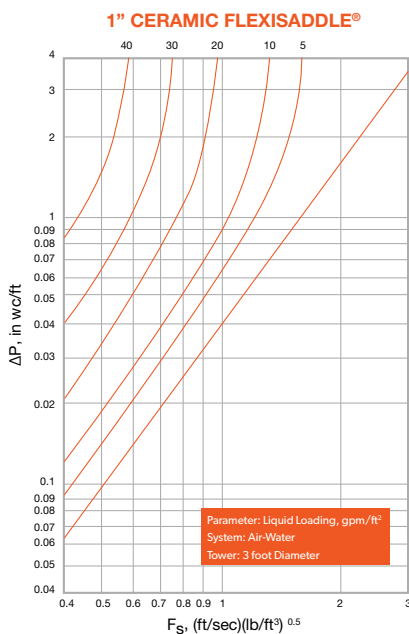
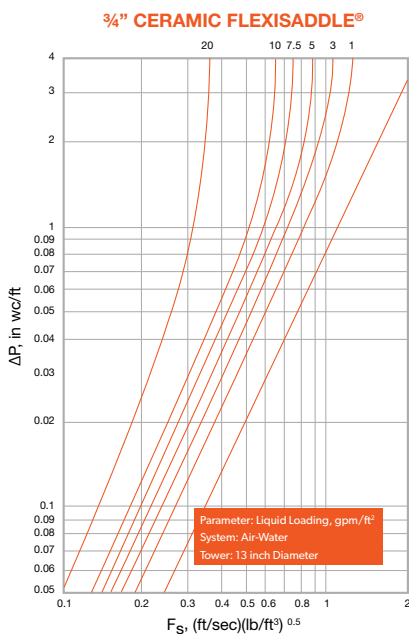
FLEXISADDLE®

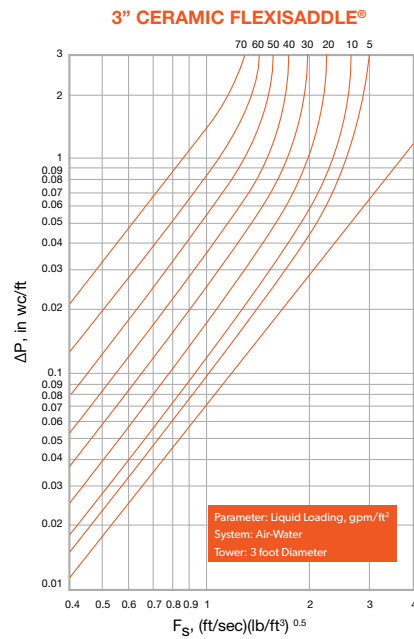
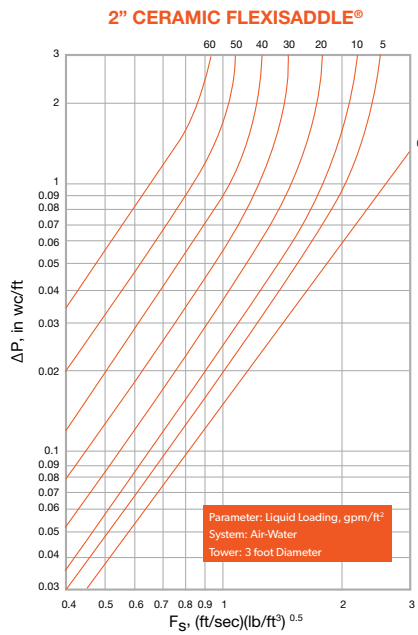
Ceramic Random Packing



Knight Material Technologies manufactures ceramic FLEXISADDLE® Tower Packing in five sizes; 3/4", 1", 1 1/2", 2" and 3". Physical properties and characteristics of this packing can be found on the reverse side of this bulletin.

The following are capacity and pressure drop charts for ceramic FLEXISADDLE® random packing:





TYPICAL PHYSICAL PROPERTIES

WATER ABSORPTION, %	<0.5%
ACID-RESISTING PROPERTY, % WT. LOSS	<1%
PACKING, CUBIC FEET PER BAG	1.0

TYPICAL PHYSICAL CHARACTERISTICS

	¾"	1"	1 ½"	2"	3"
NO. PCS./FT. ³	5000	2100	470	280	50
PACKAGING DENSITY, LB/FT.	45	43	39	35	35
FREE SPACE, %	68	70	73	76	76
SURFACE AREA, FT. ² /FT. ³	107	72	51	36	26

FLEXISADDLE® MEET THE FOLLOWING SPECIFICATIONS:

- ASTM C515 Chemical Porcelain
- ASTM C373 Water Absorption <0.5%
- ASTM C279 Acid Resistance <4% weight loss
- Pass DIN 51068 Thermal Cycling Breakage Test



Visit us on the web: knightmaterials.com

Knight Material Technologies Headquarters

PO Box 30070
5385 Orchard View Drive SE
East Canton, Ohio 44730
USA
Phone: +1 (330) 488-1651
Fax: +1 (330) 488-1656
Email: info@knightmaterials.com

Australia Office

Collins Square, Tower Four
Level 18, 727 Collins Street
Melbourne, VIC, 3008
Australia
Phone: +61 (02) 6658-4949
Email: australia@knightmaterials.com

Chile Office

Av. Kennedy 5770
Office 704 Vitacura
Santiago, Chile
Phone: +56 (2) 2873-7200
Email: chile@knightmaterials.com

Also available in ceramic is our low pressure drop/high efficiency mass transfer device FLEXERAMIC® Structured Tower Packing. For more information on these other products, ask for Bulletin KCP-7 for the FLEXERAMIC® Tower Packing.

Definition of Terms:

$$F_s = V_s \sqrt{\rho_v}, \text{ft/sec (lbs/ft}^3)^{1/2}$$

Where V_s = Superficial vapor velocity, ft/sec or m/s

ρ_v = Vapor density, lb/ft³ or Kg/m³

APPLICATIONS

- SO₂, Bromine, and HCl Absorbers
- Bromine plants
 - Steaming-out towers
 - Scrubbers
- Sulfuric acid plants
 - Gas cooling towers
 - Drying towers
 - Absorption towers
 - Oleum towers
- Chlorine Drying Towers
- Acid gas removal systems
Quench/scrubbers
- Chlorinated hydrocarbon plants
- Chlorine dioxide plants
- Steel and Coke plants
- RTO/RCO technology