

MUDBRICKS

Kirklynn Patterson



Ingredients



How to make / drying process

MIX TOPSOIL AND WATER TO CREATE A THICK MUD.

ADD STRAW. WHILE THE COMPOSITION OF THE MUD WILL AFFECT THE EXACT PROPORTIONS, AS A GENERAL RULE, ADD A HALF POUND OF STRAW FOR EVERY CUBIC FOOT OF MUD MIXTURE. IF YOU HAVE ACCESS TO GRAIN CHAFF (A BYPRODUCT OF THRESHING), YOU CAN USE THAT AS TEMPER. IF NOT, CHOP STRAW INTO VERY SMALL PIECES—CALLED STRAW CHAFF—AND THAT.

USE

KNEAD THE MUD MIXTURE WITH YOUR BARE FEET FOR FOUR DAYS.

ONCE IT HAS FERMENTED (AFTER FOUR DAYS OF KNEADING), LEAVE THE MIXTURE ALONE FOR A FEW DAYS.

KNEAD THE MIXTURE AGAIN ON THE DAY YOU PLAN TO FORM YOUR MUDBRICKS.

POUR THE MUD MIXTURE INTO MOLDS (THE SHAPE OF YOUR CHOOSING) AND LET THEM SOLIDIFY IN THE MOLDS FOR AT LEAST 20 MINUTES.

REMOVE FROM MOLDS AND DEPOSIT ON A DRYING FLOOR LAYERED WITH SAND AND STRAW TO PREVENT THE BRICKS FROM STICKING TO THE FLOOR ITSELF.

LET THE BRICKS DRY FOR A WEEK.



PRIMITIVETECHNOLOGY
MOBILITY.COM

How much they cost

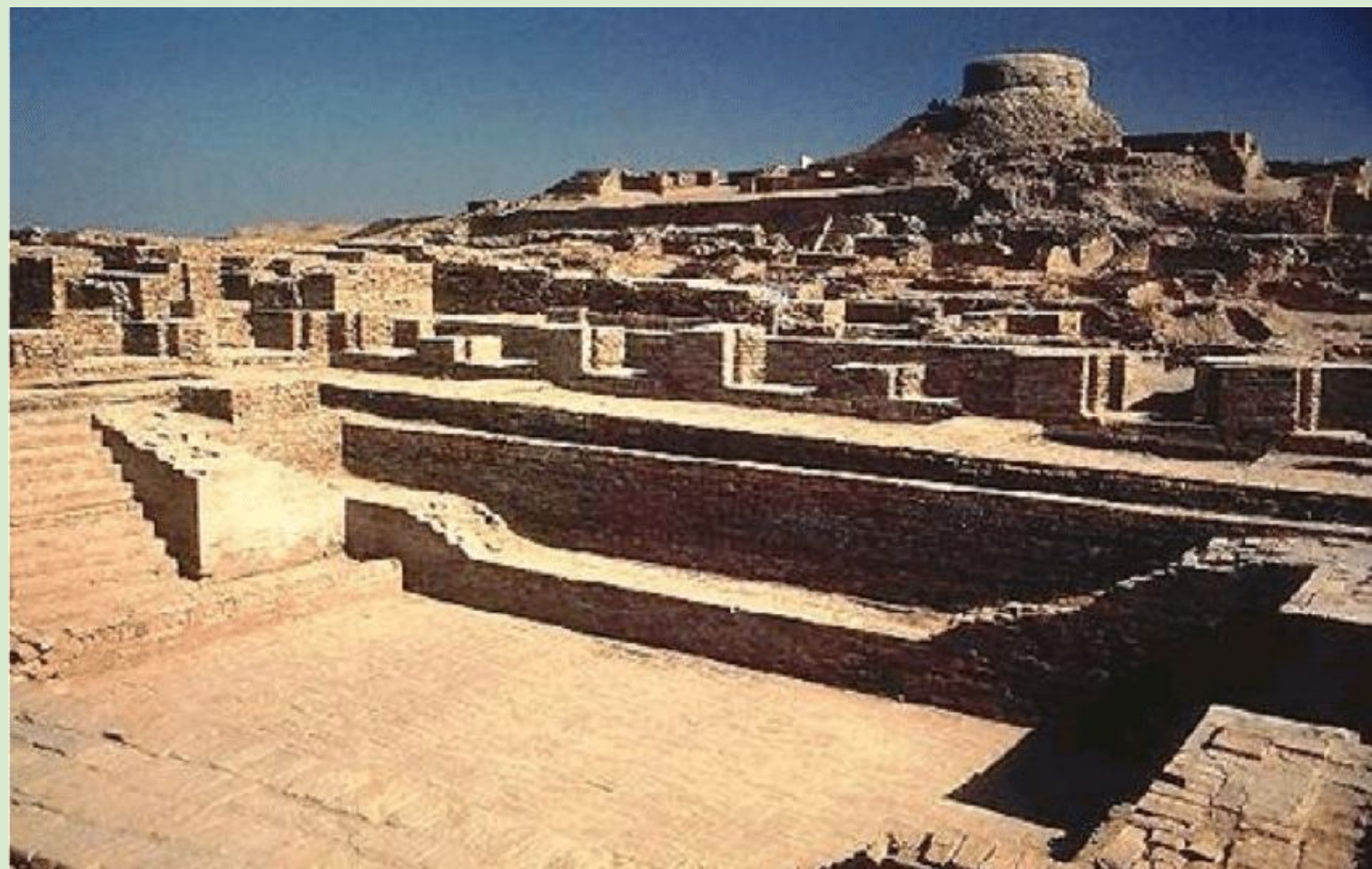
FREE IN MATERIALS (ISH)

BETWEEN WORKERS AND SLAVES, LABOR WAS RELATIVELY LOW COST









Why bricks



Are mudbricks sustainable?

YEAH

Architecture of Mesopotamia. (2024). In Wikipedia. https://en.wikipedia.org/w/index.php?title=Architecture_of_Mesopotamia&oldid=1240688091

ARCHSPACE, T. (2021, December 28). Mesopotamia—A Quick Reference Guide With Its 4 Architectural Masterpieces. <https://thearchspace.com/mesopotamia/>

Bardanis, M., Marinis, T., Toubakari, E.-E., & Dounias, G. (2023). Reproduction and long-term monitoring of drying of mudbricks and small mudbrick walls for the preservation of the ancient mudbrick wall of Eleusis. 382, 17002-. <https://doi.org/10.1051/e3sconf/202338217002>

Jawalkar, K. S., Hill, R., Harke, S. N., Dhanalakshmi, G., Bagchi, P., & Somashekhar, R. (2023). Further developments occurred around 1500 BC when early Egyptians and Mesopotamian settlers started using a mixture of mud and straw to create strong and durable buildings. The combination of mud and straw in a brick provides it with properties that. In Proceedings of the International Conference on Advances in Nano-Neuro-Bio-Quantum (ICAN 2023) (Vol. 69). Atlantis Press Zeger Karssen.

Lorenzon, M., Cutillas-Victoria, B., Holmqvist, E., Gkouma, M., Vrydaghs, L., Lichtenberger, A., Schreiber, T., & Zardaryan, M. (2023). Exploring mudbrick architecture and its re-use in Artaxata, Armenia, during the 1st millennium BC. A multidisciplinary study of earthen architecture in the Armenian Highlands. PloS One, 18(10), e0292361–e0292361. <https://doi.org/10.1371/journal.pone.0292361>

Love, S. (2012). The Geoarchaeology of Mudbricks in Architecture: A Methodological Study from Çatalhöyük, Turkey. Geoarchaeology, 27(2), 140–156. <https://doi.org/10.1002/gea.21401>

Proceedings of the International Conference on Advances in Nano-Neuro-Bio-Quantum (ICAN 2023). (n.d.). Retrieved September 12, 2024, from <https://web.p.ebscohost.com/ehost/ebookviewer/ebook?sid=1af52c21-ed35-4d05-8eda-c055ccf390b8%40redis&vid=0&format=EB>

Rosenberg, D., Love, S., Hubbard, E., & Klimscha, F. (2020). 7,200 years old constructions and mudbrick technology: The evidence from Tel Tsaf, Jordan Valley, Israel. PloS One, 15(1), e0227288–e0227288. <https://doi.org/10.1371/journal.pone.0227288>

Staff, B. A. S. (2024, January 9). How to Make a Mudbrick. Biblical Archaeology Society. <https://www.biblicalarchaeology.org/daily/ancient-cultures/daily-life-and-practice/how-to-make-a-mudbrick/>

Strength and erosion resistance of mudbrick as an alternative local material for Australia's Northern Territory remote housing—ScienceDirect. (n.d.). Retrieved September 12, 2024, from <https://www.sciencedirect.com/science/article/pii/S2214509522001553>

Sumanasena, V., Rajabipour, A., Bazli, M., Kutay, C., & Guo, D. (2022). Strength and erosion resistance of mudbrick as an alternative local material for Australia's Northern Territory remote housing. Case Studies in Construction Materials, 16, e01023-. <https://doi.org/10.1016/j.cscm.2022.e01023>

Ziggurat-architecture-archeyes-4.jpg (850×353). (n.d.). Retrieved September 10, 2024, from <https://archeyes.com/wp-content/uploads/2016/04/ziggurat-architecture-archeyes-4.jpg>