



RUB

RUHR-UNIVERSITÄT BOCHUM

ROCK IDENTIFICATION

Practical aspects in archaeometry

040443 WS 2021/22, lecturer: Dr. Nima Nezafati, speaker: Joachim Hunke, January 2022



Base info

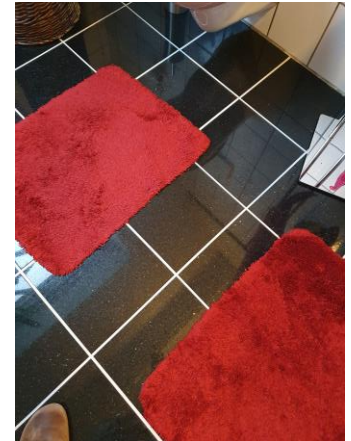
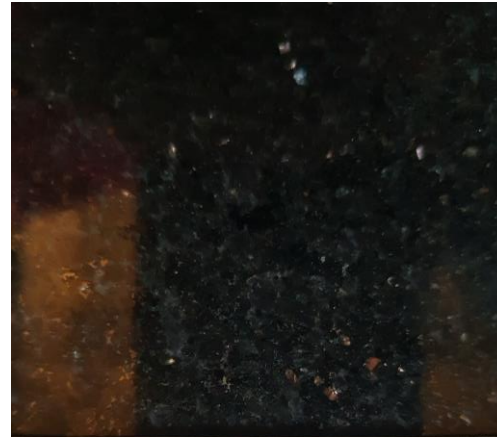
If not stated, for all tested rocks:

- no bending
- no magnetism
- reactions to acids could not be tested
- „-“ means: could not be tested

Rock identification

	Scratches glas	Fingernail scratche s	Breaks along planes	Metallic luster	Colored	Taste	Grained	Gravity	Feel	Stone
--	-------------------	-----------------------------	---------------------------	--------------------	---------	-------	---------	---------	------	-------

Bathroom bottom	yes	no	no	partly	dark	none	coarse	> 1 g/cm ³	rough (back)	gabbro
----------------------------	-----	----	----	--------	------	------	--------	-----------------------	--------------	--------



Rock identification

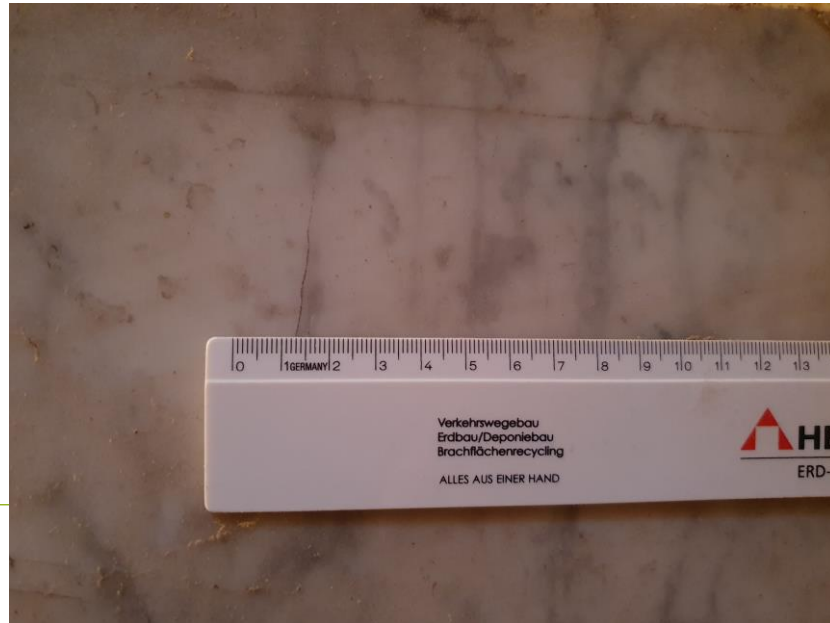
	Scratches glas	Knife scratches	Finger nail scratches	Breaks along planes	Metallic luster	Colored	Taste	Grained	Gravity	Feel	Stone
--	-------------------	--------------------	-----------------------------	---------------------------	--------------------	---------	-------	---------	---------	------	-------

Church #1	no	yes	-	no	no	light	-	coarse/ pophyritic	-	rough	tuff
------------------	----	-----	---	----	----	-------	---	-----------------------	---	-------	------



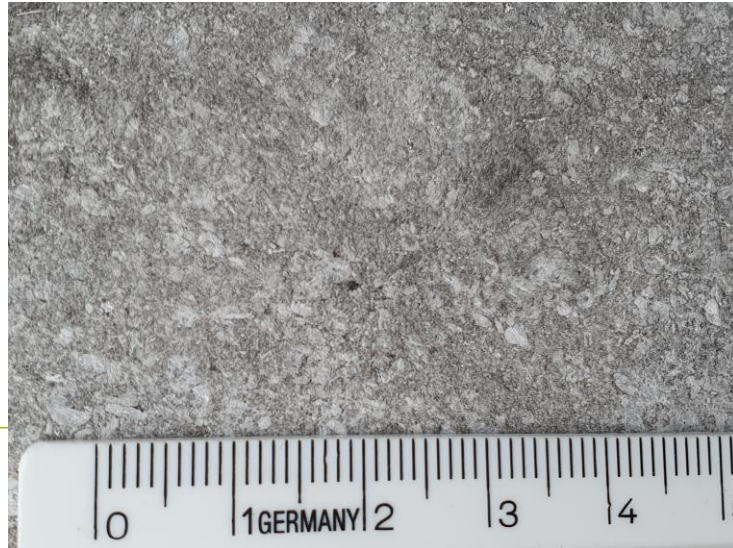
Rock identification

	Knife scratches	Fingernail scratches	Breaks along planes	Metallic luster	Colored	Taste	Grained	Gravity	Feel	Stone
Cellar	yes	no	no	no	light	none	coarse	> 1 g/cm ³	rough	marble



Rock identification

	Scratches glas	Knife scratch es	Finger nail scratch es	Breaks along planes	Metallic luster	Colored	Taste	Grained	Gravity	Feel	Stone
Church #2	-	yes	-	-	no	light	-	coarse	-	rough	Limestone (?) (suggestion by lecturer)



Rock identification

Scratches
glas

Knife
scrat-
ches

Breaks
along
planes

Metallic
luster

Colored

Taste

Grained

Gravity

Feel

Stone

Xanten #1

-

no

-

no

medium(!)

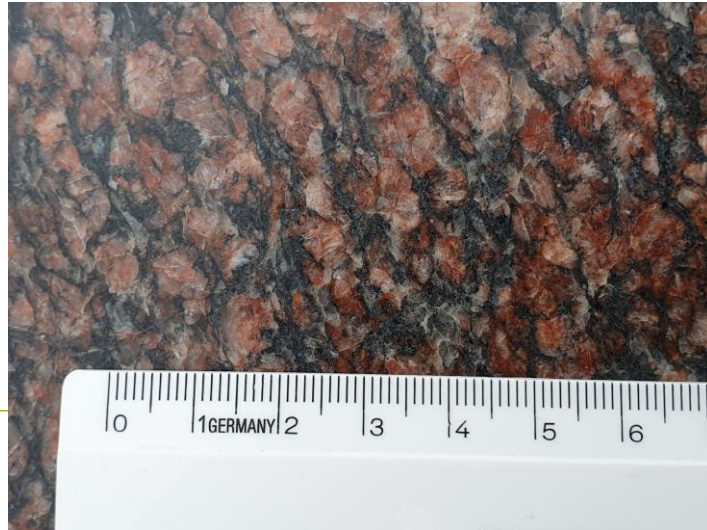
-

coarse

-

rough

Granite (?),
gneiss (?)
(suggestion by
lecturer),
Info: diorite is not
colored



End of presentation

questions/discussion