bodmerton
swiss quality clay

Technical data sheet

as of july 2026

article	421
description	ironoxide red fine
additional	micronised
dry sieve residue	99,9 % < 40 µm
pH level	3,0–7,0

Chemical analysis

Fe_2O_3	> 95,00 %
loss on ignition	max. 0,5 %

Usage

in glazes:	The most commonly used oxide in ceramics, both as a flux and as a colouring agent. Sets the melting point down. Colors honey yellow to dark brown with additives of 1–8%. In alkaline glazes red to violet, in reduction firings grey-green-blu-eish (seladon). An alkaline, supersaturated iron glaze forms crystals (aventurine).
in masses:	Iron influences the burning colour of the body. It is reddish-brown and, when finely distributed, colours the mass in this colour. With lime content the colour changes to yellow. Is present in all yellow-brown-red burning masses.
in engobes:	Additions of 5–10% iron oxide to white engobe result in reddish-brown engobe.

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