

Additional file 1, Paint reconstructions:

The role of smalt in complex pigment mixtures in Rembrandt's *Homer* 1663:
combining MA-XRF imaging, microanalysis, paint reconstructions and OCT

Annelies van Loon, Petria Noble, Diana de Man, Matthias Alfeld, Tom Callewaert,
Geert Van der Snickt, Koen Janssens, Joris Dik

Figure S1

Series of paint reconstructions of smalt mixtures based on sample x05 from Homer's cap (50 vol% smalt/glass, 5 vol% red earth, 5 vol% yellow earth, 20 vol% bone black, 20 vol% yellow lake), with from left to right: colorless potash glass (0 wt% CoO), 2.66 wt% CoO smalt, and 4 wt% CoO smalt, applied on white and black tiles



Figure S2

Series of paint reconstructions of smalt mixtures based on sample x06 from Homer's cap (60 vol% smalt/glass, 10 vol% red earth, 10 vol% yellow earth, 10 vol% bone black, 10 vol% yellow lake), with from left to right: colorless potash glass (0 wt% CoO), 2.66 wt% CoO smalt, and 4 wt% CoO smalt, applied on white and black tiles

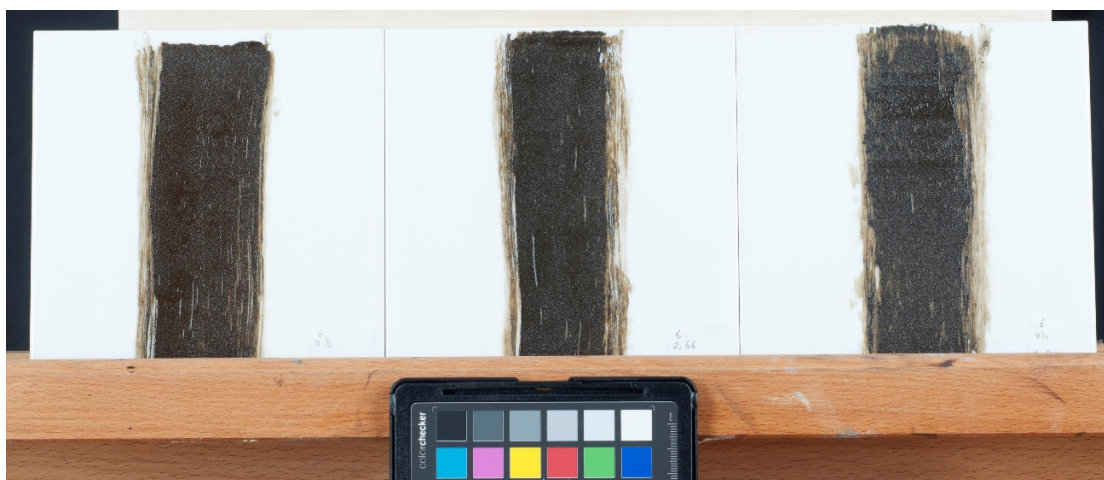


Figure S3

Series of paint reconstructions of smalt mixtures based on sample x56 from Homer's cloak (50 vol% smalt/glass, 15 vol% red earth, 15 vol% yellow earth, 5 vol% bone black, 10 vol% yellow lake, 5 vol% red lake), with from left to right: colorless potash glass (0 wt% CoO), 2.66 wt% CoO smalt, and 4 wt% CoO smalt, applied on white and black tiles

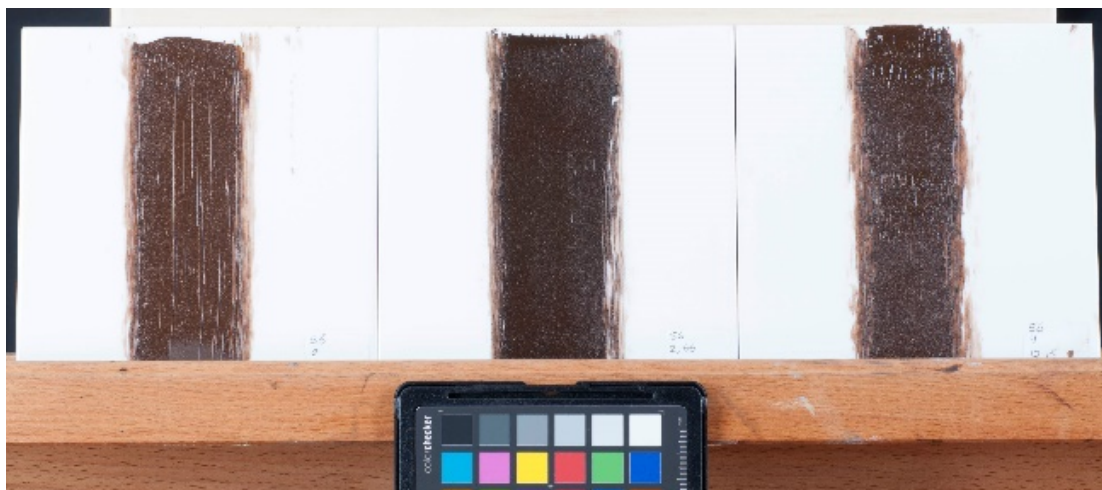


Figure S4

Series of paint reconstructions of smalt mixtures based on sample x57 from Homer's cloak (55 vol% smalt/glass, 20 vol% red earth, 20 vol% yellow earth, 5 vol% bone black), with from left to right: colorless potash glass (0 wt% CoO), 2.66 wt% CoO smalt, and 4 wt% CoO smalt, applied on white and black tiles



Figure S5

Series of paint reconstructions of smalt mixtures based on sample x34 from Homer's belt (78 vol% smalt/glass, 10 vol% red earth, 10 vol% yellow earth, 2 vol% bone black), with from left to right: colorless potash glass (0 wt% CoO), 2.66 wt% CoO smalt, and 4 wt% CoO smalt, applied on white and black tiles



Figure S6

Series of paint reconstructions of smalt mixtures based on sample x27 from the background (5 vol% smalt/glass, 10 vol% red earth, 10 vol% yellow earth, 10 vol% bone black, 40 vol% yellow lake, 10 vol% red lake, 15 vol% Kassel earth), with from left to right: colorless potash glass (0 wt% CoO), 2.66 wt% CoO smalt, and 4 wt% CoO smalt, applied on white and black tiles



Figure S7

Paint films of pure smalt, from left to right: 2.66 wt% CoO smalt, and 4 wt% CoO smalt, applied on white and black tiles



Figure S8

Paint films of pure red earth, applied on white and black tiles



Figure S9

Paint films of pure yellow earth, applied on white and black tiles



Figure S10

Paint films of pure Kassel earth, applied on white and black tiles



Figure S11

Paint films of pure madder, applied on white and black tiles

