

Packing/fill	Plaster floor	Deposits on floors	Deposits burnt on floors	Fill	Interpretation of sequence	Site area
No prepared floor [1] (3474)	-	Layers of aggregates, ash + charred plant remains (3474)	-		Discard of 'domestic' refuse	I14a/b
Rubified collapse/fill [1] (?4511)	-	-	Charred cereal grain (4511)		Collapse/abandonment, use for storage, and final destruction	K19c, R6
Aggregate hard-core [1] (2390)	-	Compacted sediments with fine pseudomorphic vegetal voids (2370) Deposits with anthropogenic and water-laid aggregates (2391)	-	Loose heterogeneous aggregates, extensive bioturbation	?winnowing and accumulation of diverse anthropogenic debris in an ?open area with aggregates of water-laid deposits	J18a
Aggregate hard-core [2]	-	Trampled dung rich deposits and sediments (2818)	Dung rich deposits (2818)	Burnt structural aggregates (?2818)	Periodic accumulation of dung from penning or ?storage of dung	I19c/d
Heterogeneous aggregates [3] (3460)	-	-	Charred Gramineae epidermises (3459)	Heterogeneous. Dung at base (3458)	?plant processing/storage/roofing	I14a/b
Heterogeneous aggregates [4] (?5526)	-	Dung rich organic stained deposits (5526)	-		Periodic accumulation of dung from penning or ?storage of dung	I19a
Heterogeneous aggregates	Fine materials, moderately mixed [3]	Dung rich deposits (2825)	Dung rich deposits (2825)		Periodic accumulation of dung from penning or ?storage of dung	I19c/d
Heterogeneous aggregates (4535)	Poorly prepared floor [1] (4535)	Ash, charred plants, bone and aggregates (4535)	-		Successive accumulation of refuse including debris from ?food preparation and cooking	K19a
Loose heterogeneous aggregates (4246)	Fine materials, poorly mixed [5]	No detectable residues	-	-	Comparatively clean area. Underlying fill extensively bioturbated.	H19b
Packing: sandy silt loam [6]	-	-	Thin lens of charred fibres, ?mat (1258)	Burnt structural aggregates (1258)	Comparatively clean area with ?mat	H20d
Packing: silt loam	Moderate-fine plaster [4] (1853)	Layers of relatively undisturbed ashes (1853)	-	Heterogeneous aggregates and potsherd (1852)	?living room with hearth	H20c
	Sandy silt loam plaster, ?mat/rug impressions [6 + 7]	Trampled sediments and plant epidermises (1858)	Trampled sediments and plant epidermises (1858)	Heterogeneous aggregates	Trampled area with plant epidermises ?food preparation/storage	H20c
	Fine materials, poorly mixed. [3]	No detectable microscopic residues. Earlier floors truncated and repaired.	-	Heterogeneous materials (1838)	Comparatively heavily used area, in which few residues occurred on floors	H20c
	Fine materials, poorly mixed, discontinuous [1]	?mixed with collapse/fill	Whole charred figs and burnt and unburnt aggregates (1388)	Burnt and unburnt aggregates (1388)	Charred figs burnt ?in storage area and mixed with collapse/fill	I20-J20c
	Fine materials, poorly mixed, discontinuous [2]	No detectable microscopic residues	-	?Laid packing/dense fill (4231)	Comparatively clean area	H19b
	Fine materials, poorly mixed [5]	No detectable microscopic residues	Burnt floor, no detectable residues	Burnt and unburnt structural aggregates with charred Salicaceae wood from ?roofing (4249)	Comparatively clean area	H19a/b
	Fine materials, poorly mixed [7 + 8]	-	Dusty lens of aggregates (4278)	Highly burnt aggregates and wood, covered by heterogeneous fill (4278)	Comparatively clean area, ?abandoned for a period prior to burning	H19a/b
	Fine moderately well plastered floor [4]	Multiple layers of plant remains, organic staining and biogenic spherules	Charred Gramineae epidermises (5412)	Burnt structural aggregates and dicotyledonous wood (?5412)	Area rich in organic remains, from ?food processing/storage	H20c
	Moderate-fine plasters [5 + 7]	Silt loam dust and finely fragmented charred remains (5310)		Heterogeneous burnt and unburnt aggregates (5310)	Comparatively clean area with ?mat impressions	H20d
	Multiple layers of fine well prepared plaster floors (1836) [9]	No detectable residues. Occasional lenses of 1) calcareous sediments with orange and black ?minerals 2) charred epidermises and dung (1836)	Floors rubified to a depth of 25-70 mm	Heterogeneous burnt and unburnt aggregates	Comparatively clean area repeatedly plastered with very well prepared floors. Occasional lenses of dust and soot.	H20c

Table 22. Cladistic (tree) diagram to illustrate key characteristics of microstratigraphic sequences and interpretations of uses of space, in order of floor type at Kilise Tepe. Flotation unit number (*), impact of activities on floors/surfaces [*].

Packing/fill	Plaster floor	Deposits on floors	Deposits burnt on floors	Fill	Interpretation of sequence	Site area
Aggregate hard-core [2]	-	Trampled dung rich deposits and sediments (2818)	Dung rich deposits (2818)	Burnt structural aggregates (?2818)	Periodic accumulation of dung from penning or ?storage of dung	I19c/d
Heterogeneous aggregates (?5526)	-	Dung rich organic stained deposits (5526)	-		Periodic accumulation of dung from penning or ?storage of dung	I19a
Heterogeneous aggregates	Fine materials, moderately mixed	Dung rich deposits (2825)	Dung rich deposits (2825)		Periodic accumulation of dung from penning or ?storage of dung	I19c/d
No prepared floor [1] (3474)	-	Layers of aggregates, ash + charred plant remains (3474)	-		Discard of 'domestic' refuse	I14a/b
Aggregate hard-core [1] (2390)	-	Compacted sediments with fine pseudomorph vegetal voids (2370) Deposits with anthropogenic and water-laid aggregates and fine pseudomorph vegetal voids (2391)	-	Loose heterogeneous aggregates, extensive bioturbation	?winnowing and accumulation of diverse anthropogenic debris in an ?open area with aggregates of water-laid deposits	J18a
Heterogeneous aggregates [3] (3460)	-	-	Charred Gramineae epidermises (3459)	Heterogeneous. Dung at base (3458)	?plant processing/storage/roofing	I14a/b
	Fine moderately well plastered floor [4]	Multiple layers of plant remains, organic staining and biogenic spherules	Charred Gramineae epidermises (5412)	Burnt structural aggregates and dicotyledonous wood (?5412)	Area rich in organic remains, from ?food processing/storage	H20c
Rubified collapse/fill [1] (?4511)	-	-	Charred cereal grain (4511)		Collapse/abandonment followed by secondary use for storage, then final destruction	K19c, R6
	Fine materials, poorly mixed, discontinuous [2]	?mixed with collapse/fill	Whole charred figs and burnt and unburnt aggregates (1388)	Burnt and unburnt aggregates (1388)	Charred figs burnt ?in storage area and mixed with collapse/fill	I20-J20c
Heterogeneous aggregates (4535)	Poorly prepared floor [1] (4535)	Ash, charred plants, bone and aggregates (4535)	-		Successive accumulation of refuse including debris from ?food preparation and cooking	K19a
	Sandy silt loam plaster, ?mat/rug impressions [6 + 7]	Trampled sediments and plant epidermises (1858)	Trampled sediments and plant epidermises (1858)	Heterogeneous aggregates	Trampled area with plant epidermises ?food preparation/storage	H20c
Loose heterogeneous aggregates (4246)	Fine materials, poorly mixed [3]	No detectable residues	-	-	Comparatively clean area. Underlying fill extensively bioturbated.	H19b
Packing: sandy silt loam	-	-	Thin lens of charred fibres, ?mat (1258)	Burnt structural aggregates (1258)	Comparatively clean area with ?mat	H20d
Packing: silt loam	Moderate-fine plaster [4] (1853)	Layers of relatively undisturbed ashes (1853)	-	Heterogeneous aggregates and potsherd (1852)	?living room with hearth	H20c
	Moderate-fine plasters [5 + 7]	Silt loam dust and finely fragmented charred remains (5310)		Heterogeneous burnt and unburnt aggregates (5310)	Comparatively clean area with ?mat impressions	
	Fine materials, poorly mixed [7 + 8]	-	Dusty lens of aggregates	Highly burnt aggregates and wood, covered by heterogeneous fill	Comparatively clean area, ?abandoned for a period prior to burning	H19a/b
	Fine materials, poorly mixed. [3]	No detectable microscopic residues. Earlier floors truncated and repaired.	-	Heterogeneous materials (1838)	Comparatively heavily used area, in which few residues occurred on floors	H20c
	Fine materials, poorly mixed, discontinuous [2]	No detectable microscopic residues	-	?Laid packing/dense fill (4231)	Comparatively clean area	H19b
	Fine materials, poorly mixed [5]	No detectable microscopic residues	Burnt floor, no detectable residues	Burnt and unburnt structural aggregates with charred Salicaceae wood from ?roofing	Comparatively clean area	H19a/b
	Multiple layers of fine well prepared plaster floors [9] (1836)	No detectable residues. Occasional lenses of 1) calcareous sediments with orange and black ?minerals 2) charred epidermises and dung (1836)	Floors rubified to a depth of * mm	Heterogeneous burnt and unburnt aggregates	Comparatively clean area repeatedly plastered with very well prepared floors. Occasional lenses of dust and soot.	H20c

Table 23. Cladistic (tree) diagram to illustrate key characteristics of microstratigraphic sequences and interpretations of uses of space, in order of micro deposit type at Kilise Tepe. Flotation unit number (*), impact of activities on floors/surfaces [*].