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Historical recipes for preparatory layers for oil paintings in manuals, manuscripts and handbooks in North West Europe, 1550-1900: analysis and reconstructions

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Appendix 15 Introduction period of materials in recipes for preparatory layers in NW Europe.

	source where material is first mentioned	date when material is first mentioned	1575-1600	1600-1625	1625-1650	1650-1675	1675-1700	1700-1725	1725-1750	1750-1775	1775-1800	1800-1825	1825-1850	1850-1875	1875-1900
<i>number of relevant recipes for each time period</i>			N: 10	N: 16	N: 6	N: 12	N: 34	N: 3	N: 16	N: 24	N: 33	N: 55	N: 153	N: 65	N: 50
Binders for size layer and ground															
linseed oil	<i>Very proper treatise</i>	1573													
walnut oil	<i>Very proper treatise</i>	1573													
animal glue	BnF Ms. Fr 640	1580-1600													
flour	BnF Ms. Fr 640	1580-1600													
oil (unspecified)	BnF Ms. Fr 640	1580-1600													
starch	BnF Ms. Fr 640	1580-1600													
drying oil from pencil jar	BnF Ms. Fr 640	1580-1600													
poppy oil	De Mayerne	1620-44													
boiled oil	Symonds	1649-51													
varnish (unspecified)	Cröker	1729													
fat oil	Dossie	1758													
shellac	Dossie	1758													
drying oil	Dossie	1758													
copal varnish	Sheldrake	1798													
(skimmed) milk	Sully	1809-71													
turpentine (unspecified, as isolation layer)	Neagle	1829													
Venice turpentine (mixed with other resins)	Ursin and Hummel	1838													
amber varnish	Ursin and Hummel	1838													

	source where material is first mentioned	date when material is first mentioned	1575-1600	1600-1625	1625-1650	1650-1675	1675-1700	1700-1725	1725-1750	1750-1775	1775-1800	1800-1825	1825-1850	1850-1875	1875-1900
<i>number of relevant recipes for each time period</i>			N: 10	N: 16	N: 6	N: 12	N: 34	N: 3	N: 16	N: 24	N: 33	N: 55	N: 153	N: 65	N: 50
bitumen	Montabert	1829													
casein/cheese	Montabert	1829													
egg/egg white	Montabert	1829													
decoction of licorice (as isolation layer)	Montabert	1829													
collodium (in miniature ground)	16'	1850-53													
Binder additives															
alum (addition to animal glue)	BnF Ms. Fr 640	1580-1600													
honey	BnF Ms. Fr 640	1580-1600													
massicot (lead tin yellow or lead oxide)	BnF Ms. Fr 640	1580-1600													
litharge	De Mayerne	1620-44													
turpentine (unspecified)	'A relic of old times 1833 P.01'	183?-1876													
turpentine oil/spirit	De Mayerne	1620-44													
Venice turpentine	Sully	1809-71													
umber (small quantity as siccativ)	De Mayerne	1620-44													
minium (small quantity as siccativ)	De Mayerne	1620-44													
lead white (small quantity as siccativ)	Félibien	1676													
linseed oil 'cakes' or 'seed mucilage'	<i>Werkstattbuch</i>	1750-1800													
turpentine balm	Van Leen	1801													
treacle	Sully 1809-71	1810													
benzoline or petroleum	Sully	1809-71													
zinc sulphate (added to glue)	'13'	1824-50													

	source where material is first mentioned	date when material is first mentioned	1575-1600	1600-1625	1625-1650	1650-1675	1675-1700	1700-1725	1725-1750	1750-1775	1775-1800	1800-1825	1825-1850	1850-1875	1875-1900
<i>number of relevant recipes for each time period</i>			N: 10	N: 16	N: 6	N: 12	N: 34	N: 3	N: 16	N: 24	N: 33	N: 55	N: 153	N: 65	N: 50
lead sulphate	'13'	1824-50													
beeswax	Bouvier	1827													
soap	Sully or 'relic of old times P.01'	1809-71 or 183?-76													
elemi resin	Montabert	1829													
spike oil	Montabert	1829													
varnish	Montabert	1829													
copaiva balsam	Montabert	1829													
spermaceti wax	Montabert	1829													
caoutchouc	<i>Introduzione</i>	1821													
(white) copperas	Roberson	1831													
colophony	Roberson	1831													
borax (in sizing layer)	'17'	1834-55													
albumen (egg white)	Field	1835													
lead acetate	'Om Gath No 01'	1843													
patent dryers	'Omnm Gathm No 04'	1844													
gold size (sticky varnish to lay gold)	Roberson	1840													
glycerine	'P 8'	1874													
chrome alum	'P 8'	1874													
non-drying oil (olive, almond, etc.)	Church	1890													
vinegar	Grace	1881													
cherry gum	Pereira	1893													

	source where material is first mentioned	date when material is first mentioned	1575-1600	1600-1625	1625-1650	1650-1675	1675-1700	1700-1725	1725-1750	1750-1775	1775-1800	1800-1825	1825-1850	1850-1875	1875-1900
<i>number of relevant recipes for each time period</i>			N: 10	N: 16	N: 6	N: 12	N: 34	N: 3	N: 16	N: 24	N: 33	N: 55	N: 153	N: 65	N: 50
pigments/fillers															
lead white	BnF Ms. Fr 640	1580-1600													
chalk	BnF Ms. Fr 640	1580-1600													
ashes	BnF Ms. Fr 640	1580-1600													
yellow ochre	BnF Ms. Fr 640	1580-1600													
scudegrum (organic green lake)	BnF Ms. Fr 640	1580-1600													
pigments from rinsing jar/old colours	BnF Ms. Fr 640	1580-1600													
lake (red)	De Mayerne	1620-44													
smalt	De Mayerne	1620-44													
carbon black	De Mayerne	1620-44													
brown-red ochre/earth (natural or burnt)	De Mayerne	1620-44													
unspecified ochre	De Mayerne	1620-44													
bole	De Mayerne	1620-44													
lamp black	De Mayerne	1620-44													
burnt sheep or goat bones	Ms. Sloane 1990	1623-44													
minium	Peacham	1634													
clay: potter's/da campane/da bocali/for bricks	Lebrun	1635													
umber	Lebrun	1635													
Van Dyke brown/cullens earth, cologne earth	Beale	1677													
blue black	Beale	1677													
green ashes	Eikelenberg	1679-1738													
vermilion	Eikelenberg	1679-1738													

	source where material is first mentioned	date when material is first mentioned	1575-1600	1600-1625	1625-1650	1650-1675	1675-1700	1700-1725	1725-1750	1750-1775	1775-1800	1800-1825	1825-1850	1850-1875	1875-1900
<i>number of relevant recipes for each time period</i>			N: 10	N: 16	N: 6	N: 12	N: 34	N: 3	N: 16	N: 24	N: 33	N: 55	N: 153	N: 65	N: 50
ultramarine	Wiltschut ms.	1701													
blue-black chalk	Wiltschut ms.	1701													
Berlin blue	Wiltschut Ms (German section)	1726-39													
light red	<i>Practical treatise</i>	1795													
peach stone black	<i>Practical treatise</i>	1795													
vine black	Bouvier	1827													
pipe clay, China clay or kaolin	Bouvier	1827													
barium sulphate	Mérimée	1830													
ground Bath brick	'Omm Gathm No 6'	1833													
gritt (prob. also Bath brick)	'Om Gath No 01'	183?-1876													
levigated fluid from potteries	'13'	1850													
pumice powder	Montabert	1829													
zinc white	'Omm Gath No 12'	1836-50													
Grecian powder	'Om Gath No 01'	1843													
ivory black	Grace	1881													
cadmium	Tyrwhitt	1868													
silver white	Raycroft	1888													
gesso/gypsum	<i>Technische Mitteilungen</i> nr 123	1891													
Other materials															
absinth (degrease support)	Montabert	1829													
garlic (degrease support)	Montabert	1829													

	source where material is first mentioned	date when material is first mentioned	1575-1600	1600-1625	1625-1650	1650-1675	1675-1700	1700-1725	1725-1750	1750-1775	1775-1800	1800-1825	1825-1850	1850-1875	1875-1900
<i>number of relevant recipes for each time period</i>			N: 10	N: 16	N: 6	N: 12	N: 34	N: 3	N: 16	N: 24	N: 33	N: 55	N: 153	N: 65	N: 50
salt (added to liquid to degrease support)	Montabert	1829													
vinegar (added to liquid to degrease support)	Montabert	1829													