Table 56.1. ATR-FTIR results of the analysis of canvas thread samples from 16 banners and 1 interstitial canvas.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Materials added to fibers of banner and epitaph fabric | | | | | | |
| Sample banners/epitaphs | Proteic compound | Lipids | Kaolin | Gypsum | Calcium carbonate | Calcium oxalate |
| 2 | + |  |  |  |  |  |
| 3 | (+) | + | + |  |  |  |
| 4 | (+) | + | + |  |  |  |
| 5 | + | + |  |  |  |  |
| 6 | + | + |  |  |  |  |
| 7 | + | + |  |  |  | + |
| 8 | (+) | + | (+) |  |  |  |
| 9 | + |  |  |  |  |  |
| 10 | + |  |  |  |  | + |
| 12 | + |  |  | + |  | + |
| 14 | + | + |  |  | + |  |
| 15 | + |  |  |  |  |  |
| 16 | + |  |  |  | + |  |
| 17 | + |  |  |  |  |  |
| 22 | + |  |  |  |  |  |

*Note:* FTIR was done by Cristina Carșote.

Table 56.2. Adhesive and consolidant formulas tested on double-sided painted banners and epitaphs dating from the eighteenth and nineteenth centuries.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Compounds for adhesive/consolidant solutions | | Solution (% or w/w) | Solvent 1/w for 100 g | Solvent 2/w for 100 g | Prewetting of the surface prior to application | Readhesion of loose paint flakes | Impregnation,stabilization of decohesive paint | Electric conductivity |
|  |
| Celluforce NCC CNC | | 1% | DIW 99 | — | Yes, DIW:IMS (1:1) | — | ✓ | 174 µS/cm |
| PVOH:  Mowiol 4-88 | | 10% | DIW 90 | — | Yes, DIW:IMS (1:1) | ✓ | ✓ | — |
| Aquazol 200 | | 10% | Isopropanol 90 | — | Yes; DIW:IMS (1:1) | ✓ | ✓ | — |
| Aquazol 200 | | 5% | Isopropanol 47.5 | Naphtha 47.5 | No | — | ✓ | — |
| Plexisol P550 (30%) | | 5% | — | Naphtha 95 | No | — | ✓ | — |
| Paraloid B72 5% BAC + Aquazol 200 10% IP | | 9:1 | Butyl acetate  95 | IP 90 | No | — | ✓ | — |
| Methocel A4M | | 2% | DIW 98 | — | Yes; DIW:IMS (1:1) | — | ✓ | 198 µS/cm |
| Culminal 2000 | | 3% | DIW 48.5 | IP 48.5 | Yes, nonpolar solvent for surface sealing | ✓ | — | 79 µS/cm |
| Aquazol 500:  Culminal 2000 | | 1:1 w/w | Isopropanol 56.25 | DIWater 32.25 | Yes, nonpolar solvent for surface sealing | ✓ | — | — |
| Aquazol 500 | | 20% | Isopropanol 64 | DIWater 16 | Yes, DIW:IMS (1:1) | ✓ | — | — |
| Aquazol 500 + Celluforce NCC CNC\* | | 1:1 w/w | Isopropanol40 | DIWater 72 | Yes, DIW:IMS (1:1) | ✓ | ✓ | — |

\*1 part by weight of Aquazol 500 (20%) solution in 4:1 of isopropanol to deionized water, plus 1 part by weight nanocellulose (1%) in deionized water.

Abbreviations: BAC = butyl acetate; CNC = cellulose nanocrystals; DIW = deionized water; IMS = industrial methylated spirits; IP = isopropanol

Table 56.3. Painted double-sided banners and epitaphs in the study.

|  | | Face A | Face B | Dimensions | Lappets/streamers | Date/ provenance | Canvas weave count per (cm2) | Horizontal wooden suspension pole (*drug)* |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No. | **Location\*** |  | | | | | | |
| 1 | **MBT** | Dormition of the Theotokos with 5 Seraphs | Theophany (Baptism) of Jesus Christ + 1 Saint, 3 Seraphs | 109 × 91.5 cm | 3, oval, seraphs | 19th century | 15 × 13 | Lost |
| 2 | **MBT** | The Virgin Mary as Empress of the Heavenly Hosts with Jesus Christ Child, Star, Triangle. Medallion with St. H. Nicholas of Myra, 5 Cherubs | Holy Archangels Michael and Gabriel, sun and moon, medallion with St. Paraskeve of the Balkans, 5 Cherubs | 157 × 130 cm  Canvas: 114 cm | 3, oval, cherubs | 1848 Poeni, Timiș county | 14 × 18 | Profiled (3 bulbs), painted red. |
| 3 | **MBT** | Pentecost, flanked by the 2 Archangels. Lappets: Saint Emperors Constantine and Helen; central lappet detached (Ascension of the Lord Jesus), Nativity of the Theotokos | Coronation of the Virgin Mary with medallions of Saint Ap. Peter and Paul,2 floral ornaments, lappets: 3 Evanghelists, | 144 × 107 cm | 3, oval; central lappet broken | 1876 Poeni, Timiș county | 14 × 16 | Lost |
| 4 | **MBT** | Coronation of the Virgin Mary, flanked by Archangels. Lappets: Seraph, St. M. George), St. M. Dimitrios, Seraph | Theophany-Baptism of Jesus Christ, flanked by the Mother of God with Christ Child and St. Paraskeve of the Balkans, on the lappets: St. H. Nicholas of Myra, St. H. John Chrisostomos,(St. H. Basil the Great), St. H. Gregory Bogoslov. | 142 × 108 cm | 4, not distinguishable; one lappet lost | 1812 Poeni, Timiș county | 15 × 15 | Lost |
| 5 | **MBT** | Saint Apostles Peter and Paul, 2 Seraphs, 2 Cherubs. Lappets: 3 Seraphs | Coronation of the Virgin Mary, 4 Seraphs, on the lappets: 3 Seraphs | 93 × 89 cm  Canvas: 75 cm | 3, oval, seraphs | 1881 (Crivina de Sus, Timiș county) | 12 × 12 | Profiled, 3 bulbs. |
| 6 | **MBT** | Mother of God flanked by 4 seraphs.Lappets: 3 seraphim; | Nativity of the Virgin Mary, flanked by 4 seraphs | 90 × 90 cm Canvas: 77 cm | 3, oval, seraphs; central lappet missing | 1882 Crivina de Sus, /Timiș | 13 × 13 | Profiled, 3 bulbs |
| 7 | **MBT** | Theophany-Baptism of Jesus Christ. Left: Virgin Mary with Christ Child. Right: St. Paraskeve of the Balkans. Lappets: St. Apostle Paul, St. Gregory Bogoslov,(St. Basil the Great), St. John Chrisostomos | Coronation of the Theotokos, flanked by 2 archangels | 137 × 107 cm | 4, rectangular shape lappets; 1 missing | 1867 Poeni, Timiș county | 8 × 10 | Lost |
| 8 | **MBT** | Mother of God with Jesus Christ Child and Cherub | Holy Trinity, with medallion and inscription | 73 × 73 cm  Canvas: 54 cm | Pennant has the shape of a chalice | 1848 Hezeriș, Timiș county | 14 × 14 | Profiled, masterful fixing system of the canvas to the wooden pole |
| 9 | **MBT** | Pentecost | Saint M. George | 56 × 43 cm | — |  | 20 × 27 | Lost |
| 10 | **MBT** | Theophany, Baptism of Jesus Christ | Archangel Michael. Lappets: St. Paraskeve of the Balkans, St. Nicholas of Myra, St. Demetrios | 132 × 102 cm  Canvas: 92 cm | 3, rectangular shape, saints | 1777 Zolt, Timiș county | 13 × 8 | Wooden pole |
| 12 | **MBT** | Theophany, Baptism of Jesus Christ | Theotokos with Christ Child, Saint Apostle Peter | 140 × 100 cm | 4, rectangular shape, cherubs and seraphim | 1779 | 10 × 13 | Wooden pole (new, improvised) |
| 13 | **MBT** | Resurrection of Jesus Christ | Nativity of Jesus Christ | 99 × 75 cm | 3, oval shape | 1875, Clopodia, Timiș county | — | Lost |
| 14 | **MBT** | *Epitaph* | Burial of Jesus Christ | 75.5 × 62cm | — | 1848, Nerău | 16 × 17 | — |
| 15 | **MBT** | *Epitaph* | Burial of Jesus Christ | 70.5 × 55.5 cm | — | 1824, Govojdia, Timiș county | 14 × 15 | — |
| 16 | **MBT** | *Epitaph* with scenes and symbols from the cycle of the Passions of Christ | Burial of Jesus Christ | 120 × 87 cm | — | — | — | — |
| 17 | **MBT** | Theophany, Baptism of Jesus Christ | Dormition of the Theotokos | 111 × 88 cm | — | — | — | Lost |
| 18 | **MBT** | The Holy Trinity | The Annunciation | 56 × 51 cm | — | Jupânești, Timiș county | 12 × 11 | Lost |
| 19 | **Private** | Saint M. George | The Annunciation | 63 × 53 cm | — | Cubleșu, Sălaj | 11 × 11 | Lost |
| 20 | **MBT** | Theophany, The Baptism of Jesus Christ | Virgin Mary Theotokos(?) | 75 × 59 cm | — | Jupânești, Timiș county | 12 × 11 | Lost |
| 21 | **Private** | Theophany, The Baptism of Jesus Christ | Saint M. Tryphon and St. Paraskeve of the Balkans | 108 × 85 cm | 7, triangular-shape | 1848 Socu, Gorj county  Authors: George, Kostandin, Kostandin | 11 × 13 | Original shape of the wooden pole to which the textile is sawn around with a rope |
| 22 | **MBT** | Interstitial canvas from wooden church St Paraskeveof Curtea | Photographic detail from the scenes of the Parables of Jesus Christ. | — | — | 1806 Curtea, Timiș county | — | — |
| 22 | **Private** | Holy Trinity | Nativity of Lord Jesus Christ | — | — | Cubleșu, Sălaj county | — | Fragment |
| 23 | **MArT** | Theophany, Baptism of Jesus Christ, Saints Evangelists John and Luke, Saints Bishops Basil, Gregory, John | Saint Archangel Michael, Saint Evangelists Mark, Saint M. Theodore Tiron, Saint M. Nestor | — | 5, rectangular shape | 18th–19th century | — | Profiled wooden pole |
| 24 | **MBT** | The burial of Jesus Christ on the Great Friday (with cherubs) | Saints Apostles Peter and Paul (with cherubs) | — | 3 lappets; central lappet lost | ca. 1882, Crivina de Sus, Timiș county | — | Only surviving wooden pole with 1 bulb, with painted canvas / Fragment from a deteriorated banner cut off and stolen from its pole |
| 25 | **MBT** | Theotokos with Jesus Christ Child | Holy Trinity | 79 × 56 cm  Canvas: 65 cm | The pennant has the shape of a chalice; lappet missing | Pogănești, Timiș county | — | Profiled fixing system of the canvas to the wooden pole |

Abbreviations: MBT = Museum of the Orthodox Archdiocese of Timișoara, MArT= Timișoara Museum of Art, Private = private collectio