

# ISO 20819:2018-03 (E)

## Plastics - Wood-plastic recycled composites (WPRC) - Specification

---

| <b>Contents</b>   | <b>Page</b> |
|---|-------------|
| Foreword.....   | iv          |
| <b>1 Scope</b> .....  | <b>1</b>    |
| <b>2 Normative references</b> .....   | <b>1</b>    |
| <b>3 Terms and definitions</b> .....  | <b>1</b>    |
| <b>4 Recycled material content</b> .....  | <b>2</b>    |
| 4.1 Indication of the recycled material content.....  | 2           |
| 4.2 Classification of the recycled material content.....  | 2           |
| 4.3 Formulae for calculating the recycled material content, <i>R</i> .....  | 3           |
| <b>5 Raw materials</b> .....  | <b>5</b>    |
| 5.1 Traceability of raw materials.....  | 5           |
| 5.2 Woody raw materials.....  | 5           |
| 5.3 Plastic raw materials.....  | 5           |
| 5.4 Other raw materials.....  | 5           |
| <b>6 Raw material proportions</b> .....   | <b>5</b>    |
| 6.1 Proportion (mass fraction) of woody raw materials.....  | 5           |
| 6.2 Proportion (mass fraction) of plastic raw materials.....  | 6           |
| <b>7 Classification</b> .....   | <b>6</b>    |
| <b>8 Health and safety requirements for materials</b> .....   | <b>6</b>    |
| <b>9 Test methods</b> .....   | <b>7</b>    |
| 9.1 Sampling of test pieces.....  | 7           |
| 9.2 Appearance.....   | 7           |
| 9.3 Health and safety tests.....  | 8           |
| 9.3.1 Formaldehyde emissions test.....  | 8           |
| 9.3.2 Toxic substance elution test.....   | 8           |
| <b>10 Labelling</b> .....   | <b>8</b>    |
| <b>11 Reports</b> .....   | <b>9</b>    |
| <b>Annex A (normative) Classification of woody and plastic raw materials accepted as recycled materials</b> ..... | <b>10</b>   |