

# DIN EN 15191:2010-04 (E)

## Precast concrete products - Classification of glassfibre reinforced concrete performance

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
Introduction .....		4
<b>1</b>	<b>Scope .....</b>	<b>5</b>
<b>2</b>	<b>Normative references .....</b>	<b>5</b>
<b>3</b>	<b>Definitions and abbreviations .....</b>	<b>6</b>
3.1	Terms and definitions .....	6
3.2	Symbols and abbreviated terms .....	8
<b>4</b>	<b>Properties of glassfibre reinforced concrete .....</b>	<b>8</b>
4.1	Characteristics of composite material .....	8
4.2	Composition of GRC .....	8
4.3	Performance .....	9
4.3.1	GRC using spray or premixing processes .....	9
4.3.2	GRC with oriented fibres .....	10
<b>5</b>	<b>Classification of GRC .....</b>	<b>10</b>
5.1	Classification according to mechanical properties .....	10
5.2	Application-specific values .....	10
5.3	Material classes .....	11
5.3.1	Classification parameters .....	11
5.3.2	Specification of the parameters .....	11
5.4	Application specific parameter .....	12
<b>6</b>	<b>Special properties .....</b>	<b>12</b>
<b>7</b>	<b>Test methods .....</b>	<b>12</b>
7.1	Application class .....	12
7.2	Requirements of glassfibre .....	13
Bibliography .....		14