

# DIN EN 14869-1:2011-07 (E)

**Structural adhesives - Determination of shear behaviour of structural bonds - Part 1:  
Torsion test method using butt-bonded hollow cylinders (ISO 11003-1:2001,  
modified)**

---

## Contents

	Page
<b>Foreword .....</b>	<b>3</b>
<b>1 Scope .....</b>	<b>4</b>
<b>2 Normative references .....</b>	<b>4</b>
<b>3 Terms and definitions .....</b>	<b>4</b>
<b>4 Principle .....</b>	<b>4</b>
<b>5 Apparatus .....</b>	<b>4</b>
<b>6 Test specimen .....</b>	<b>6</b>
<b>6.1 Preparation .....</b>	<b>6</b>
<b>6.1.1 Substrate material .....</b>	<b>6</b>
<b>6.1.2 Preparation of the surface .....</b>	<b>6</b>
<b>6.1.3 Bonding .....</b>	<b>6</b>
<b>6.1.4 Adhesive bond .....</b>	<b>8</b>
<b>6.1.5 Dimensions .....</b>	<b>10</b>
<b>6.2 Number of specimens .....</b>	<b>10</b>
<b>7 Test conditions .....</b>	<b>10</b>
<b>7.1 Temperature .....</b>	<b>10</b>
<b>7.2 Shear rate .....</b>	<b>10</b>
<b>8 Procedure .....</b>	<b>11</b>
<b>9 Calculations .....</b>	<b>11</b>
<b>10 Precision .....</b>	<b>13</b>
<b>11 Test report .....</b>	<b>13</b>