



# RenPaste™

Seamless Modelling Pastes

Pastes for Manual Application



RenShape®  
solutions

**HUNTSMAN**

# RenPaste™ Product Range

## Seamless Modelling Pastes

Product Description Machine applied epoxy pastes	XD 4601-1 A/B	SV/HV 4503-1	XD 4591 R/H	XD 4618 R/H	XD 4616 R/H
<b>Key Characteristics</b>	Low density very easy to cut - even with hand tools	Medium density, with good milling properties and fine surface finish	For applications where the finest surface finish is required	Specially formulated to produce very large models	Combines high mechanical properties with heat resistance
<b>Typical Applications</b>	Styling models	Reference models	Reference models	Boat Plugs	Tooling applications
<b>Key Properties - typical values</b>					
<b>Colour</b>	Light Brown	Brown (Grey XD 4563-1)	Red-Brown	Light Grey	Light Grey
<b>Density (g/cm<sup>3</sup>)</b>	0.55	0.75	1.18	0.90	1.23
<b>Ratio</b>	1 : 1	1 : 1	1 : 1	2 : 1	1 : 1
<b>Hardness - Shore D</b>	40	55 - 60	65 - 75	70 - 75	75 - 80
<b>CTE (Dilatometer) 10<sup>-6</sup>/°K</b>	106	106	85 - 90	45 - 50	80 - 85
<b>Tg (TMA) °C</b>	37	46 (72)	68 (80)	37 (61*)	62 (87)
<b>Heat Distortion (ISO 75) °C</b>	45 - 50	42 (54)	70 - 72	53	72
<b>Compression MPa</b>	8	11.5 (15)	53 (60)	63	48 (57)
<b>Tensile MPa</b>	5	8 (9)	22 (24)	24	22 (26)
<b>Flexure MPa</b>	6.5	11 (12)	32 (42)	36	39 (47)
<b>Cure Schedule</b>	RT cured (Post cured: 8h @ 80°C / *70°C)				
	RT curing - milling after 1 - 2 days	RT curing - milling after 1 - 3 days	RT curing - milling after 1 day	RT curing - milling after 2 days	RT initial cure - milling after 1 day. Post cure for optimum values

While the information and recommendations in this publication are, to the best of our knowledge, information and belief, accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE. In all cases, it is the responsibility of users to determine the applicability of such information or the suitability of any product for their own particular purpose. The sale of any Huntsman products referred to in this publication is subject to the general terms and conditions of Huntsman Advanced Materials (Europe) BVBA or its affiliated companies.

**For further information, please contact your local sales representative, email us at [renshape\\_europe@huntsman.com](mailto:renshape_europe@huntsman.com) or visit [www.renshape.com](http://www.renshape.com).**

™RenPaste is a trademark of Huntsman LLC or an affiliate thereof in one or more, but not all, countries.  
 ®RenShape is a registered trademark of Huntsman LLC or an affiliate thereof in one or more, but not all, countries.  
 Publication no. T380a-GB / 1000/08/04 / Printed in Great Britain.  
 ©2004 Huntsman Advanced Materials (Switzerland) GmbH



**Renshape**  
 SOLUTIONS  
**HUNTSMAN**