



# Rehabilitation of Manholes

<b>1. IPANEX Stopfmörtel</b>	Expanding very quick setting plugging mortar to seal water under pressure Consumption: 2,00 kg mortar/Litre of void Set: 20 kg-pail	
<b>2. IPANEX Flächendicht WF</b>	Cementitious powder for stopping slow seepage of water The powder is rubbed into places with high water seepage Set: 15kg pail	
<b>3. IPA Unimörtel Rapid</b> 	Shrink compensated repair mortar for sewage pipes To repair broken sections, to close joints, to place halfshell pipes made of clay Consumption: 2,00 kg mortar/Litre of void Set: 20 kg-pail	
<b>4. IPA Dichtschlämme Kanal ph + IPA Liquid pH+</b>	Slurry on mineral base, withstands hydrostatic pressure, high chemical (ph=3,5) and mechanical resistance Slurry is applied by a brush in two layers Consumption: 5 kg/m <sup>2</sup> Sets: 25 kg-bag IPA Dichtschlämme ph+ 25 kg-pail IPA Liquid pH+	
<p>Manhole after restoration</p>	<p>Manhole before restoration</p>	<b>Pipeline Services Pte Ltd</b> 7 Neythal Road Singapore 628574 Tel: +65 6262 6253 Fax: +65 6265 6940 Email: <a href="mailto:info@pipelineservices.com.sg">info@pipelineservices.com.sg</a> <a href="http://www.pipelineservices.com.sg">www.pipelineservices.com.sg</a> <a href="http://www.permaline.com">www.permaline.com</a>