

FIRE SPRINKLER SYSTEMS FOR HOUSES

AMENDMENT NO. 1

July 2003

CORRECTION

EXPLANATORY NOTE

This amendment corrects the titles, descriptors and notes for tables K1 – K6, and figures K1 – K5 in Appendix K.

APPROVAL

Amendment No. 1 was approved on 8 July 2003 by the Standards Council to be an amendment to NZS 4517:2002.

4.1 Maximum operating pressure (page 12)**Delete** NOTE (3) and **substitute**:

“(3) The normal maximum pressure rating for sprinkler systems is 1200 kPa.”

(Amendment No. 1, July 2003)

D6 Calculation of pressure loss in pipes (page 36)**Delete** “ d is the mean bore diameter (mm)” and **substitute** “ d is the mean internal diameter (mm)”

(Amendment No. 1, July 2003)

Table K1 – Pressure losses for PE 80B pipe to AS/NZS 4130 (page 54)**Delete** “Pressure losses for PE 80B pipe to AS/NZS 4130” and **substitute**:

“Pressure losses for PE 80B PN 12.5 (SDR 11) pipe to AS/NZS 4130”

(Amendment No. 1, July 2003)

Table K1 – Pressure losses for PE 80B pipe to AS/NZS 4130 (page 54)**Delete** “Pressure loss (kPa)” and **substitute** “Pressure loss (kPa/m)”

(Amendment No. 1, July 2003)

Table K1 – Pressure losses for PE 80B pipe to AS/NZS 4130 (page 54)**Delete** “Internal diameter (mm)” and **substitute** “Nominal outside diameter (mm)”

(Amendment No. 1, July 2003)

Table K2 – Pressure losses for PE-X SDR 7.4 pipe to DIN 1988 (page 55)**Delete** “Pressure loss (kPa)” and **substitute** “Pressure loss (kPa/m)”

(Amendment No. 1, July 2003)

Table K2 – Pressure losses for PE-X SDR 7.4 pipe to DIN 1988 (page 55)**Delete** “Internal diameter (mm)” and **substitute** “Nominal outside diameter (mm)”

(Amendment No. 1, July 2003)

Table K3 – Pressure losses for PP-R SDR 11 pipe to DIN 8077 (page 56)**Delete** “Pressure loss (kPa)” and **substitute** “Pressure loss (kPa/m)”

(Amendment No. 1, July 2003)

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Table K3 – Pressure losses for PP-R SDR 11 pipe to DIN 8077 (page 56)**Delete** “Internal diameter (mm)” and **substitute** “Nominal outside diameter (mm)”

(Amendment No. 1, July 2003)

Table K4 – Pressure losses for PP-R SDR 7.4 pipe to DIN 8077 (page 57)**Delete** “Pressure loss (kPa)” and **substitute** “Pressure loss (kPa/m)”

(Amendment No. 1, July 2003)

Table K4 – Pressure losses for PP-R SDR 7.4 pipe to DIN 8077 (page 57)**Delete** “Internal diameter (mm)” and **substitute** “Nominal outside diameter (mm)”

(Amendment No. 1, July 2003)

Table K5 – Pressure losses for copper pipe to NZS 3501 (page 58)**Delete** “Pressure loss (kPa)” and **substitute** “Pressure loss (kPa/m)”

(Amendment No. 1, July 2003)

Table K5 – Pressure losses for copper pipe to NZS 3501 (page 58)**Delete** “Internal diameter (mm)” and **substitute** “Nominal internal diameter (mm)”

(Amendment No. 1, July 2003)

Table K6 – Pressure losses for CPVC Pipe to ASTM F442 (page 59)**Delete** “Internal diameter (mm)” and **substitute** “Nominal internal diameter (mm)”

(Amendment No. 1, July 2003)

Figure K1 – Pressure loss from PE 80B pipe to AS/NZS 4130 (page 61)**Delete** “Pressure loss from PE 80B pipe to AS/NZS 4130” and **substitute**:

“Pressure loss from PE 80B PN 12.5 (SDR 11) pipe to AS/NZS 4130”

(Amendment No. 1, July 2003)

Figure K1 – Pressure loss from PE 80B pipe to AS/NZS 4130 (page 61)**Delete** the NOTE and **substitute**:

“NOTES –

- (1) This graph has been created from tables in the publication BRANZ Design guide – Sprinklers for houses, 2002 with the kind permission of BRANZ;
- (2) Pipe size is nominal outside diameter.”

(Amendment No. 1, July 2003)

Figure K2 – Pressure loss from PE-X SDR 7.4 pipe to DIN 1988 (page 62)**Delete** the NOTE and **substitute**:

“NOTES –

- (1) This graph has been created from tables in the publication BRANZ Design guide – Sprinklers for houses, 2002 with the kind permission of BRANZ;
- (2) Pipe size is nominal outside diameter.”

(Amendment No. 1, July 2003)

Figure K3 – Pressure loss from PP-R SDR 11 pipe to DIN 8077 (page 63)**Delete** the NOTE and **substitute**:

“NOTES –

- (1) This graph has been created from tables in the publication BRANZ Design guide – Sprinklers for houses, 2002 with the kind permission of BRANZ;
- (2) Pipe size is nominal outside diameter.”

(Amendment No. 1, July 2003)

Figure K4 – Pressure loss from PP-R SDR 7.4 pipe to DIN 8077 (page 64)

Delete the NOTE and **substitute**:

“NOTES –

- (1) This graph has been created from tables in the publication BRANZ Design guide – Sprinklers for houses, 2002 with the kind permission of BRANZ;
- (2) Pipe size is nominal outside diameter.”

(Amendment No. 1, July 2003)

Figure K5 – Pressure loss from copper pipe to NZS 3501 (page 65)

Delete the NOTE and **substitute**:

“NOTES –

- (1) This graph has been created from tables in the publication BRANZ Design guide – Sprinklers for houses, 2002 with the kind permission of BRANZ;
- (2) Pipe size is nominal internal diameter.”

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