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VdS certificate for sprinklers



VdS is one of Germany's leading independent testing institutions for fire protection and security. Since 31.12.2007 the VdS does not issue anymore certificates for mechanical anchors for fastening sprinkler systems.

However the VdS approves to use the VdS symbol on packages, catalogues and other communication material if a manufactures fulfils 3 stipulations (VdS-regulation CEA 4001:2008-11):

- (1) A manufacturer holds an ETA or DiBt approval either for single point fastening in cracked concrete (ETAG 001, part 1-4, options 1-6) or redundant fastening according to ETAG 001, part 6.
- (2) The anchor needs to fulfil a characteristic resistance $N_{Rk,s}$ (steel failure, tension load) which is defined in the table below. The anchor needs to have a cross-section \square M8 which has been defined for screw anchors differently (e.g a HUS with a 6mm borehole does fulfil this M8 requirement).

Einsatz zur Deckenbefestigung von Rohrleitungen mit Rohrnennweite D mit einem Dübel je Befestigungsstelle	Mindestgewindeanschluss des Dübels	Charakteristische Stahlzugtragfähigkeit $N_{Rk,s}$ [kN]
$D \leq DN 50$	M8	$\geq 6,0$
$DN 50 < D \leq DN 100$	M10	$\geq 10,5$
$DN 100 < D \leq DN 150$	M12	$\geq 15,0$
$DN 150 < D \leq DN 200$	M16	$\geq 25,5$
$DN 200 < D \leq DN 250$	M20	$\geq 30,0$

- (3) The calculation of the sprinkler fastening needs to be in accordance with approval guidelines with the required safety factors.

We confirm that HUS-H 6, HUS-H 8, HUS-H 10, HUS 6, HUS-S 6, HUS-A 6, HUS-P 6, HUS-I 6, HUS-HR 6, HUS-HR8, HUS-HR10, HUS-HR 14 do fulfil the VdS requirements.

HUS-H 14, HUS-HF 10 and HUS-HF 14 do not fulfil the VdS stipulations since we do not hold an ETA or DiBt approval for these products.

Best regards,

Axel Schweiker

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