SITAC
Swedish Institute for Technical Approval in Construction

English version

28 April 2008

SP

SWEDISH TECHNICAL APPROVAL 2242/74

The product described below and production control has been found to comply with Building Regulations of the National Board of Housing, Building and Planning (BBR) and (BKR) with reference to and under conditions described in this approval.

KEYWORDS: **Steel structures**
Thin steel structures, profiled steel sheet

PLANNJA STEEL PROFILES

Holder

Plannja AB, 971 88 LULEÅ, tel: 0920 - 929 00,
fax: 0920 - 929 21, homepage: www.plannja.se, e-mail: marknad@plannja.se,
organisation no: 556121-1417.

Product

Profiled, hot-dip zinc coated cold-rolled thin sheet and hot-dip zinc coated, plastic coated cold-rolled thin sheet. Steel DX51D+Z275 (fyk=250 MPa) according to SS-EN 10142 and S350 GD+Z275 according to SS-EN 10147.
Profiled aluminium-zinc coated cold-rolled thin sheet and aluminium-zinc coated, plastic coated cold-rolled thin sheet. Steel DX51D+AZ150 (fyk=250 MPa) according to SS-EN 10215.

Intended use

The sheet is to be used as a load-bearing element/weatherproofing layer in roofs and walls. When used in corrosion class C3 or C4, the outside should have a zinc coating of minimum 275 g/m^2 or an aluminium-zinc coating and an ageing resistant plastic coating of minimum 25 µm. When used in corrosion class C3, the outside should have an aluminium-zinc coating of minimum 150 g/m^2 according to SS-EN 10215. When used use in corrosion class C1 or C2, the outside should have a zinc coating, minimum 275 g/m^2.
The design should be in accordance with Hus AMA 98, JV-.2. Roof coverings and wall claddings etc. of overlapped profiled sheets or similar.

Trade name

Plannja Stålprofiler. Plannja 20. Plannja 30, 30 V. Plannja 40, Plannja 45, 45F. Plannja 60. Plannja 70. Plannja 111, 111M. Plannja 200M.

SITAC AB
Postal address: Box 553, SE-371 23 KARLSKRONA
Office location: Bastionsgatan 6, Stumholmen
Telephone/Telefax: +46 (0)10-516 63 00, +46 (0)455-206 88
Reg.number: 556469-0120
E-mail/Internet: info@sitac.se, www.sitac.se

SITAC
Swedish Institute for Technical Approval in Construction

English version

28 April 2008

SP

Approval

The products have been found to meet the requirements in the following sections of the Building Regulations (*BBR*) and Design Regulations (*BKR*) of the National Board of Housing, Building and Planning.

	BBR	BKR
Designing by calculation and testing		2:3
Steel structures (Structures of thin, cold-formed sheet)		8
Durability		8:12
Corrosion protection		8:56
Walls, windows and doors	6:5324	
Roofs and attic spaces	6:5325	
Slipperiness	8:22	

Appurtenant documents

* Plannja Profiles, Technical information dated Marsh 2004.
Micro profiling, Coating systems dated June 2007.

* This approval only includes the steel profiles Plannja 20, Plannja 30 and 30 V, Plannja 40, Plannja 45 and 45F, Plannja 60, Plannja 70. Plannja 111 and 111M and Plannja 200M in the " Plannja Profiles, Technical information dated Marsh 2004."

Control

Production control is to be performed in accordance with instructions for control dated 21 April 2008, and is supervised by an independent body, SP, Technical Research Institute of Sweden.

When the building proprietor inspects the building site, he shall check the markings to ensure that the correct products have been supplied and that the installation is in conformity with the appurtenant documents.

Manufacturer

Production control includes the following site:
Plannja AB, Luleå.

Marking

The products are to be marked at the factory. The marking consists of a sign/label on every product/package supplied and includes:

Manufacturer's name and site of manufacture	**Plannja AB, Luleå**
P-mark	P
Certification body	**SITAC**
Product type designation	**type designation**
Approval certificate number	**2242/74**
Consecutive no. or date of production	**no/date**
Inspection body	**SP**

SITAC AB
Postal address Box 553 SE-371 23 KARLSKRONA
Office location Bastionsgatan 6 Stumholmen
Telephone/Telefax +46 (0)10-516 63 00 +46 (0)455-206 88
Reg.number 556469-0120
E-mail/Internet info@sitac.se www.sitac.se

SITAC
Swedish Institute for Technical Approval in Construction

English version

28 April 2008

SP

Basis for approval	Evaluation of the test results and theoretical calculations of design constants for application in Sweden, dated November 1989. Calculation of troughed steel and aluminium sheet with rib grooves and flange grooves dated 22 June1998. Verifying calculations dated 18 November 1999. Plannja TRP 200/800, revised evaluation of earlier tests and calculations, dated 15 February 1985. Data for limitations on walkability dated 6 December 1999. Report no. 020038 from SSAB tunnplåt. Report no. 8340,152, 98C84458 UR 1, BTkP007731A, BTkP007731B, BTkF121773D and F121773D from SP, Technical Research Institute of Sweden.
Comments	This approval supersedes previous Approval Certificate with the same number dated 18 October 2002 and project number T200128-01 .
Period of validity	This approval is valid until 28 April 2013.

Johan Åkesson

Leif Lundqvist

SITAC AB
Postal address: Box 553, SE-371 23 KARLSKRONA
Office location: Bastionsgatan 6, Stumholmen
Telephone/Telefax: +46 (0)10-516 63 00, +46 (0)455-206 88
Reg.number: 556469-0120
E-mail/Internet: info@sitac.se, www.sitac.se