



AMF TACET[®]

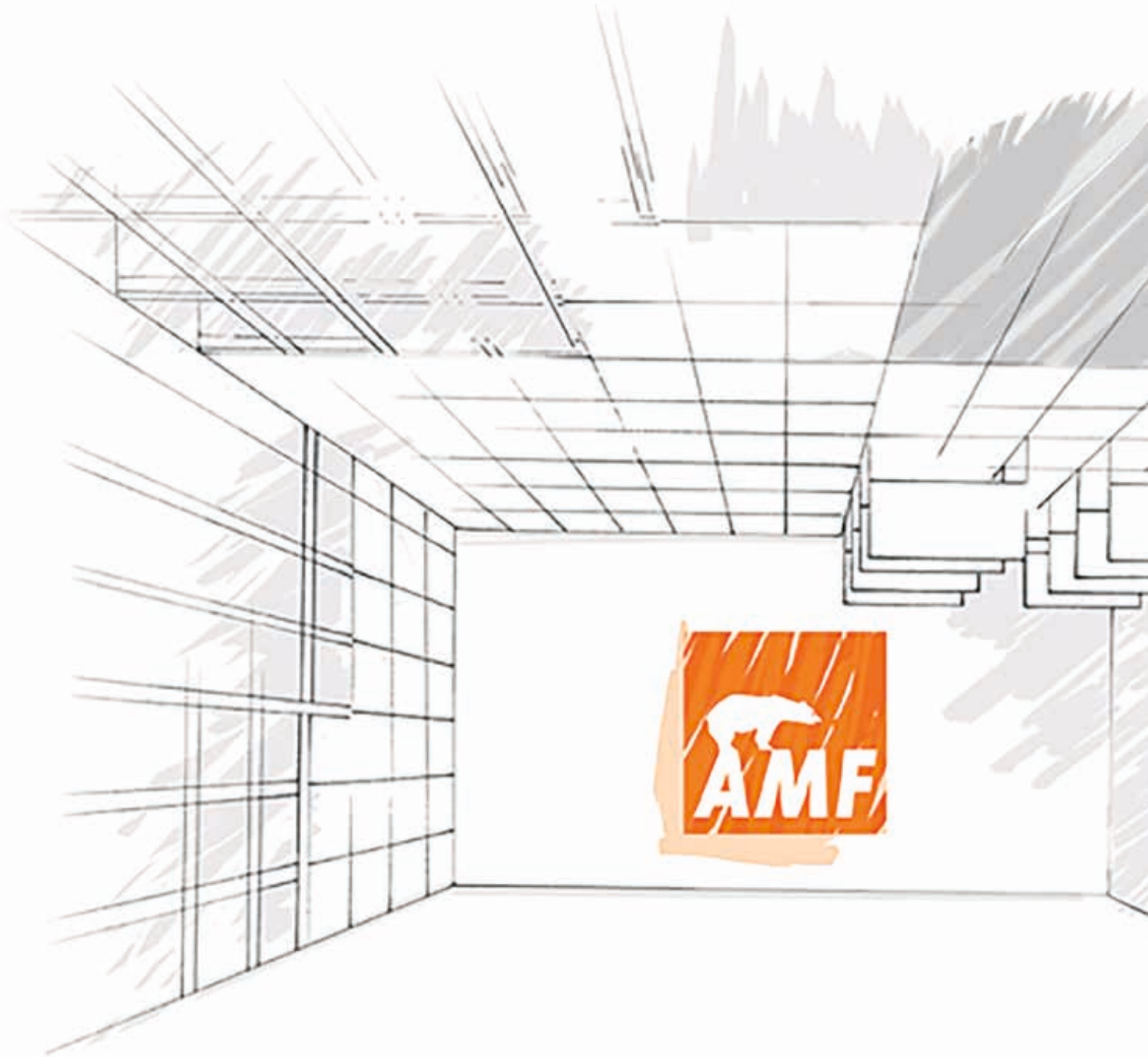
Product catalogue

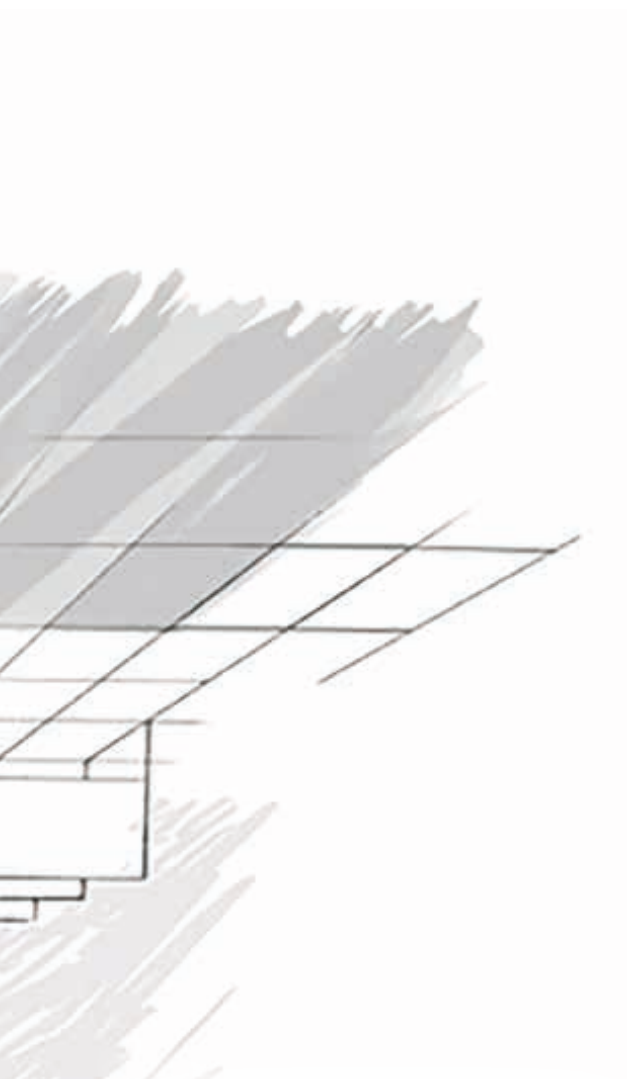




Knauf AMF

Complete system solutions for the modular ceiling –
from a single source with strong product brands





AMF TACET® — the jointless acoustic system

“TACET” comes from Latin and is a musical term. It means that an instrument or voice pauses – in other words: »it is silent«. With AMF TACET® from Knauf AMF suspended ceilings are jointless, homogenous and reduce noise.

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The jointless **acoustic system**
from Knauf AMF combines
optimum acoustic performance
with **aesthetic** surface elegance:
Achievable solutions in the form of smooth,
jointless, homogeneous surfaces.

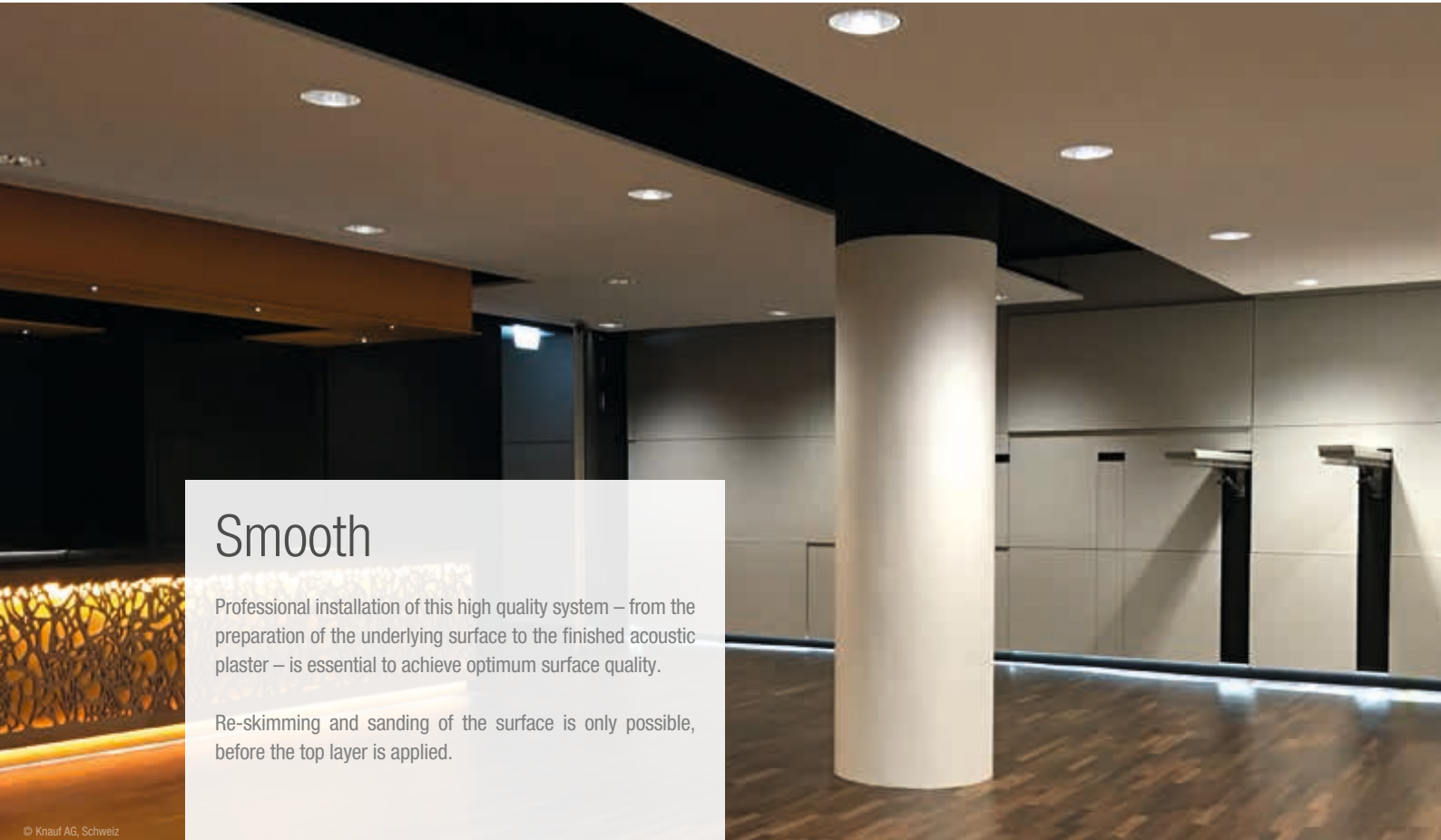
AMF TACET®

AMF TACET® unites all products and systems from the field of jointless ceilings under one new product brand. A standard CD grid structure is suspended from the soffit using rigid hangers. This ensures sufficient fixing points for the tiles. Unlike competitive products, the AMF TACET® system has the advantage that the joints do not require filling.

Subsequently, two layers of special acoustic render are applied. Here, it is not only possible to create white ceilings, but also to choose from a wide colour spectrum.

Beneath the render, the Knauf AMF mineral tiles are perforated and have an acoustic fleece. This contributes to improving the acoustic performance of the jointless ceiling system. Services such as lighting, loud speakers and smoke detectors can easily be integrated into the jointless ceiling.





Smooth

Professional installation of this high quality system – from the preparation of the underlying surface to the finished acoustic plaster – is essential to achieve optimum surface quality.

Re-skimming and sanding of the surface is only possible, before the top layer is applied.



Design

For rooms in which people reside for long periods of time, attention should be given to the design as well as the acoustic performance of the room, in order to create a harmonious and relaxed ambience.



Sound Attenuation

Good sound attenuation counteracts external acoustic influences that are transmitted via adjoining building components – such as ceilings – into neighbouring rooms and therefore makes an important contribution to sound reduction.



Sound absorption

When a sound wave meets an object, part of the sound energy is reflected and the other part absorbed. Sound absorption refers to the reduction of sound energy in a room through a sound wave losing energy through component surfaces. Thus, it determines the acoustic wellbeing of a user in a room as it shortens the reverberation time, reduces the noise level and increases speech intelligibility.



Product portfolio

AMF TACET® is available as standard in white similar to NCS S 0500-N. Additionally, the ceiling can be painted in various pastel tones or intensive colours. AMF TACET® can be adapted to your personal colour concept.



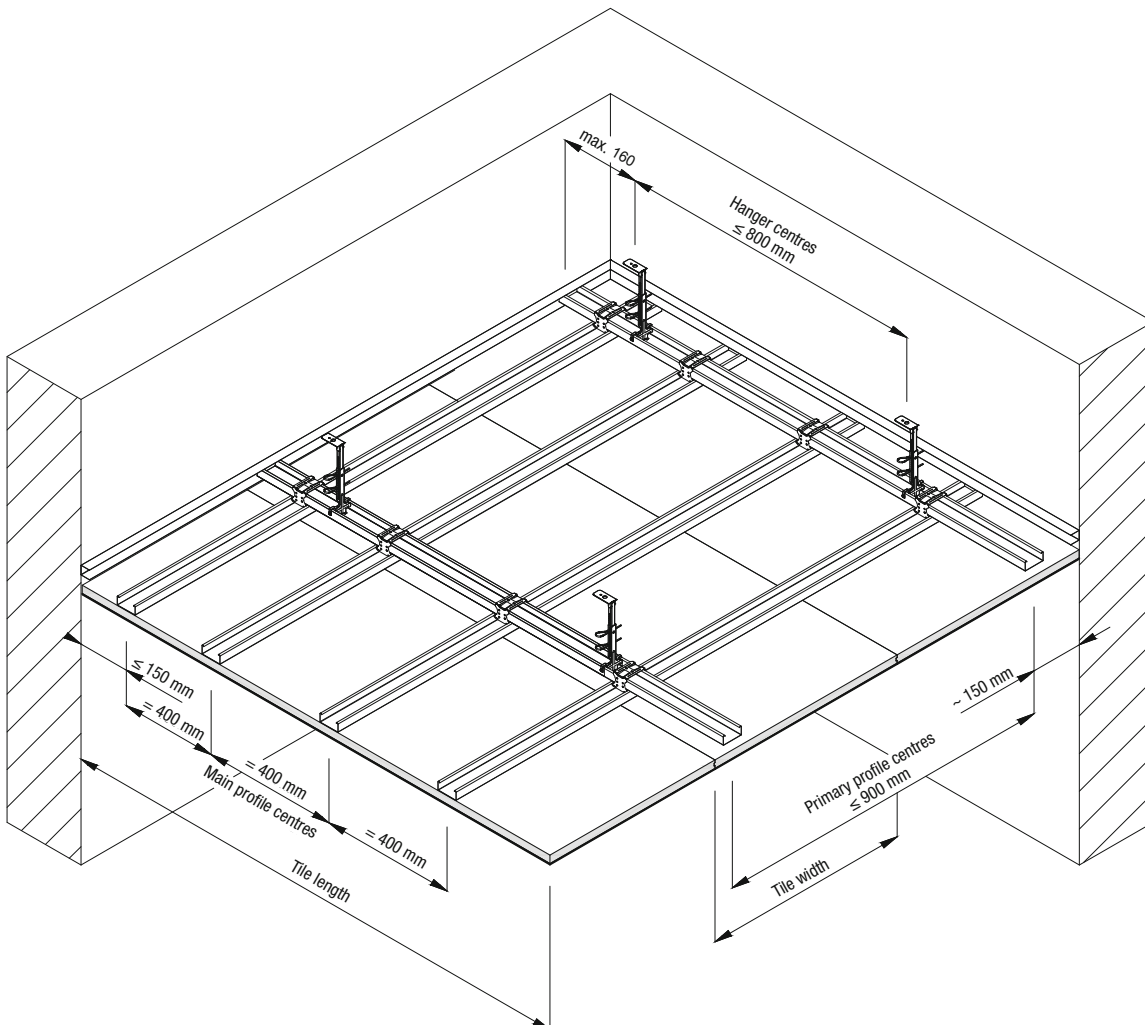
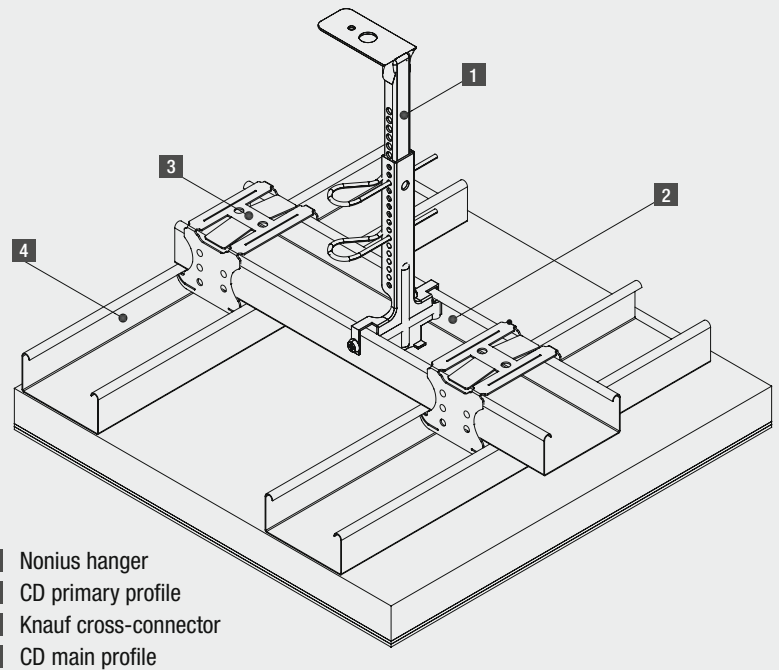


- ① Knauf AMF in Grafenau, Germany
- ② Private apartment, Architect: Graf Biscioni Architekten AG © Arnold Köhler Fotografie, Winterthur
- ③ La Résidence Residential Home, Schaffhausen, Architect: m.wipf GmbH © Michael Kessler, Uhwiesen-Laufen
- ④ Knauf AMF in Grafenau, Germany

The system

The jointless acoustic system AMF TACET® combines optimum acoustic performance with an aesthetically pleasing and elegant fine-coated surface.

- The base components of the AMF TACET® jointless, acoustic system are the AMF TACET® Base Boards. These are screwed directly to the CD grid structure. Subsequently, two layers of acoustic render are applied to the tiles. The result is a functional, homogenous surface.
- The standard colour of the AMF TACET® Top Coat is natural white similar to NCS S 0500 N. The render is available in different colours.
- It should be noted that the jointless acoustic system is highly demanding in terms of craftsmanship and correct installation. The AMF TACET® system cannot be assessed according to quality levels Q1 - Q4. Contractor training for the installation of TACET® is essential.



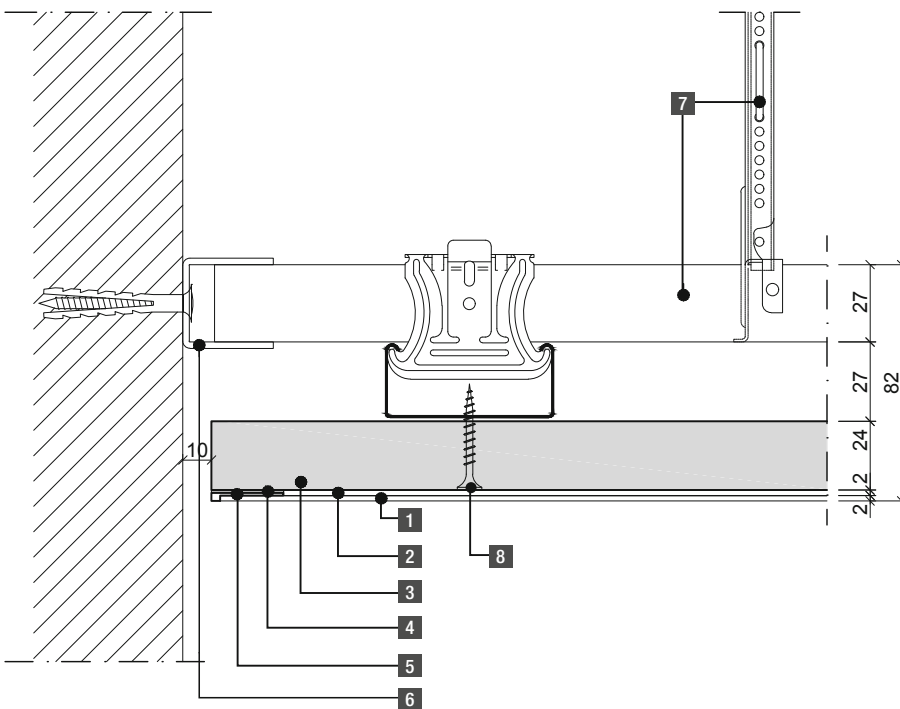


System construction

The base components of the AMF TACET® jointless, acoustic system are the AMF TACET® Base Boards with the dimension 1600 x 580 x 24 mm. These are screwed directly to the CD grid structure. Subsequently, two layers of acoustic render are applied to the boards.



Ceiling detail

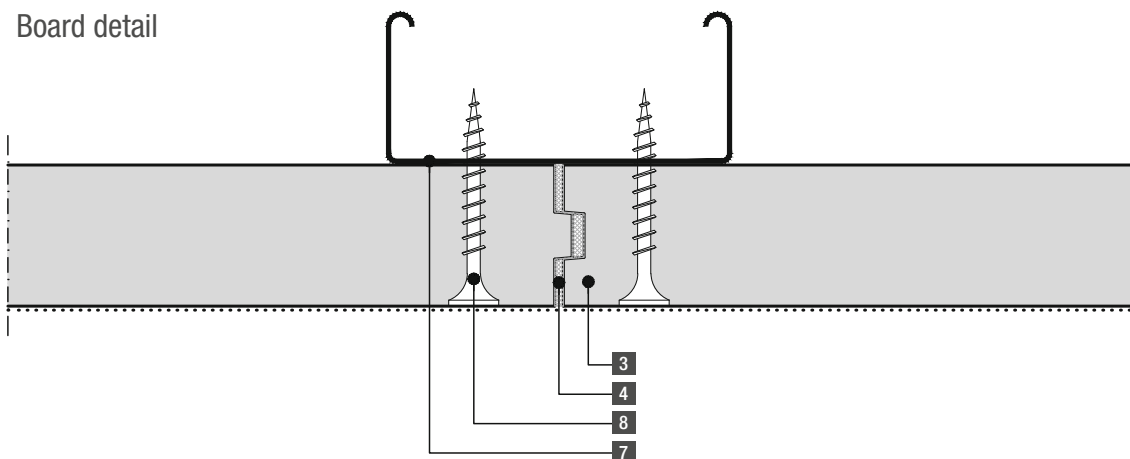


Properties and additional benefits

- For horizontal surfaces only.
- Homogenous, jointless, fine-coated surface structure.
- Easy integration of installations such as lighting etc.
- For ceiling constructions with ceiling voids.
- Minimal suspension height of 65 mm.

- 1 AMF TACET® Top Coat Acoustic Plaster
- 2 AMF TACET® Basic Base Plaster
- 3 AMF TACET® Base Board 1600 x 580 x 24 mm
- 4 Knauf POWER-ELAST
- 5 PVC Finishing Profile 3 mm for AMF TACET®
- 6 Knauf UD perimeter profile 28/27
- 7 Nonius hanger and CD grid structure (primary and main profiles)
- 8 Aquapanel maxi-screw

Board detail

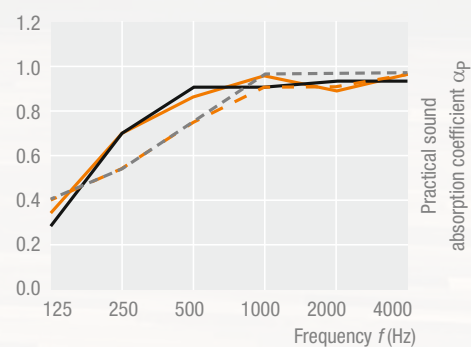




Absorption

Suspension height [mm]	NRC	α_w	Frequency dependent absorption coefficient α_p						
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
60	0,85	0,90	0,30	0,70	0,90	0,90	0,90	0,95	—
100	0,90	0,85	0,35	0,70	0,85	0,95	0,90	0,95	—
200	0,80	0,80(H)	0,40	0,55	0,75	0,90	0,90	0,95	- -
400	0,80	0,80(H)	0,40	0,55	0,75	0,95	0,95	0,95	- -

Sound absorption values





Installation guide AMF TACET®

1. The work for the jointless base and acoustic plaster is carried out above head and in a backwards direction. For this a level platform scaffold is required, which safely enables this work.



1



2

2. The CD grid structure, both primary and main profiles are fixed to the soffit using rigid hangers. If movement joints, access panels or other installations are required, these need to be considered during the installation. The connection of the ceiling at perimeters features a shadow gap. Areas larger than 100 m² should be divided by movement joints. The grid structure must be adapted accordingly.



2

2. Installation of the CD grid structure.

3. The first Base Board is installed. Tile should be screw fixed to the CD profile maintaining a 10mm clearance from all walls.



3B



3A

3. Fixing and gluing the boards with staggered tile joints



3C

3. Before installation of the other Boards continues, adhesive is applied to the two joints and the tiles butted together. The tiles are screw fixed to the CD profile. The rest of the ceiling continues in the same manner.



4A

4. When all the AMF TACET® Base Boards are installed, the finishing profiles are glued to the edges with POWER-ELAST.



4B



4C



4D

5. Applying the AMF TACET® Basic Base Plaster

- Mix the material
- Apply the Base Plaster
- Scrape the Plaster crosswise with a notched trowel
- Smooth
- Finish
- Check the evenness, sand where required



5A

5A. AMF TACET® Basic Base Plaster is supplied premixed in containers. The render is mixed with water using a suitable tool.



5B

5B+5C. The render is applied with a notched trowel in wide channels. The applied base render is scraped in a crosswise direction. The second scrape is carried out in a perpendicular direction to the first.



5C

5D. The surface is smoothed twice, once with a narrow and once with a wide finishing trowel. The thickness of the base plaster should be 2 mm. The finished render should be left to dry for 48 hours.



5D

5E. The surface is checked for evenness using a side light. All unevenness and ripples are sanded using a sanding block.



5E

6. Applying the AMF TACET® Top Coat Acoustic Plaster

- Mix the material
- Apply the acoustic plaster
- Scrape the render crosswise with a notched trowel
- Smooth
- Finish



6A

6A. AMF TACET® Top Coat Acoustic Plaster is supplied in premixed containers and stirred with the addition of water. If the ceiling is to be a different colour to standard white, the coloured acoustic render should be prepared as per the installation and handling guidelines.



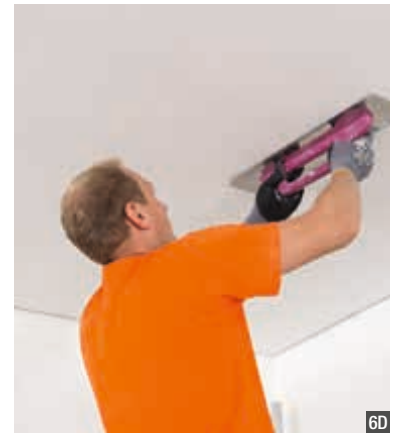
6B

6B. The Top Coat plaster render is applied with a notched trowel and started in a corner of the room.



6C

6C. The applied plaster is scraped twice in a crosswise direction.



6D

6D. The surface is smoothed with a finishing trowel always using the same amount of pressure. The thickness of the Top Coat should be 2 mm.



6E

6E. After the surface has dried slightly the entire surface is smoothed again with a longer finishing trowel. Using light pressure, all bumps and unevenness is evened out. The drying time of the finished render is 48 hours. Only then can installations, such as lights or smoke detectors, be installed in the ceiling.

System components and material requirements

AMF TACET®

Trade programme	Article number	Unit	*Requirement per m ²
Knauf anchor nail	–	piece	1,40
Knauf Nonius hanger - Nonius upper part, length 200 mm - Nonius clip - Nonius lower part for CD profile	– – –	piece piece piece	1,40
Knauf CD profile, primary and main, 4 m	–	lin. m	4,00
Knauf cross connector	–	piece	3,00
Knauf CD multi connector	–	piece	0,80
Knauf UD profile	–	piece	1,00
Knauf POWER-ELAST	200373	cartridge	0,14
Aquapanel maxi-screws SN 39	053500	piece	20,00
Knauf Quarzgrund (adhesive primer)	616478	piece	optional
AMF Product	Article number	Unit	*Requirement per m ²
PVC Finishing Profile 3 mm for AMF TACET®	604812	lin. m	1,00
PVC Finishing Profile flexible for AMF TACET®	636200	lin. m	optional
Aluminium Finishing Angle 30 x 30 mm for AMF TACET®	618217	lin. m	optional
AMF TACET® Basic Base Plaster, 25 litres / bucket	603688	litre	3,00
AMF TACET® Top Coat Acoustic Plaster, 27 litres / bucket	603691	litre	2,70
AMF TACET® Base Board	543173	m ²	1,00
Alu-Top Access Panel for AMF TACET®			
300 x 300 mm	526478	piece	optional
400 x 400 mm	526479	piece	optional
500 x 500 mm	526480	piece	optional
600 x 600 mm	526481	piece	optional
600 x 1200 mm	526482	piece	optional

Important to note!

End connections, cut outs, special constructions or similar are not included.

All stated values are average values and are recommendations only.

No responsibility or liability is accepted for the accuracy of the information provided.

Time requirements for installation and applying render: AMF TACET®

Installation steps including scaffold work (platform scaffold)	*Duration (min)
Installation of the CD grid structure - Hanger centres \leq 800 mm - Primary profile centres \leq 900 mm - Main profile centres = 400 mm	25
Installation of the AMF TACET® Base Board Fixing and gluing the boards and finishing profiles	15
Application of AMF TACET® Basic Base Plaster - Mix the material - Apply the base plaster - Scrape the plaster crosswise with a notched trowel - Smoothing - Finishing - Control the evenness/smoothness, sanding	15
Application of AMF TACET® Top Coat top render - Mix the material - Apply the Acoustic Plaster - Scrape the plaster crosswise with a notched trowel - Smoothing - Finishing	20
Guideline for time requirements per m ² (installation of the complete ceiling)	75

The indicated times are working hours, the drying phases are not considered here.



AMF TACET®

Practical training for drywall contractors

To be a specialist in the installation and handling of our AMF TACET® ceiling system requires specific know-how. Only those that have attended TACET® practical training and are certified, can install the system with the approval and support of Knauf AMF.

From professionals for professionals

The knowledge required for the professional installation of AMF TACET® is provided by our specialists in a practical training course. This focuses on practical skills for tile assembly, installation of fixtures and fittings and the application and smoothing of the base and top renders. The individual installation and handling steps are taught and practiced in our large TACET® training room in small groups. All materials, tools and training materials are provided.

TACET® - practical training

- The know-how for professional installation of AMF TACET®
- Training with experienced specialists
- Small groups
- Materials, tools and training materials included, work clothing is required
- Certificate on completion as competitive advantage for project business

Uwe Peter is a Systems Engineer, trainer and specialist in the installation of AMF TACET®.

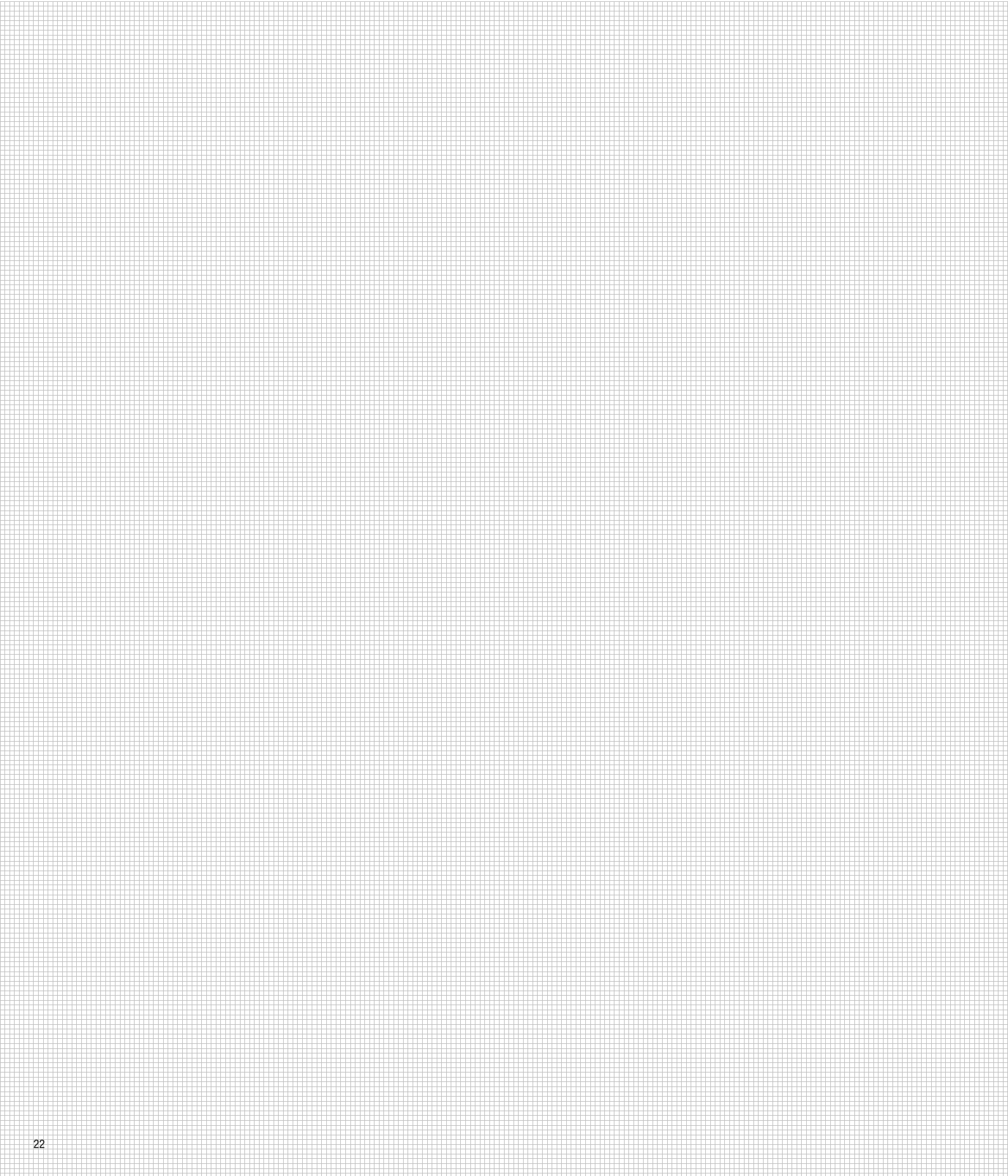




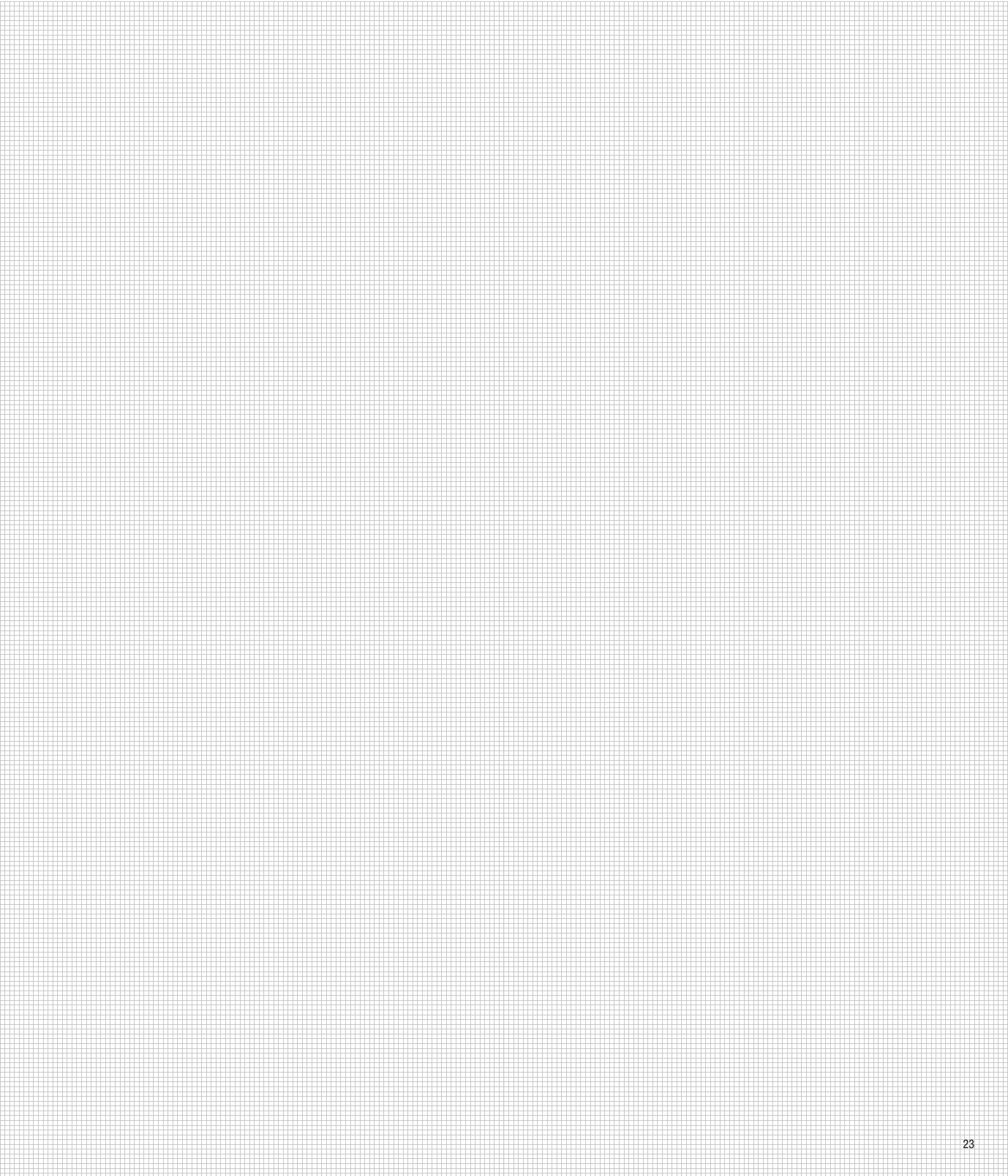
You can register for Knauf AMF TACET® practical training with your local area representative.



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The acoustic ceiling specialist Knauf AMF, with its global sales and service network, offers on-site, solution orientated and timely advice for architects, specialist contractors, distributors and developers.

With us, you are always a ceiling solution ahead!

No responsibility or liability is accepted for the accuracy of the information provided.
Subject to change without prior notice.

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